

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU N-21-8-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-76954			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Jeremy and Jennifer Price						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') Route 3, Box 3720, Myton, Ut 84052						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2182 FNL 2178 FWL		SEnw	21	8.0 S	17.0 E	S		
Top of Uppermost Producing Zone		2578 FNL 1563 FWL		SEnw	21	8.0 S	17.0 E	S		
At Total Depth		2463 FSL 1122 FWL		NWSW	21	8.0 S	17.0 E	S		
21. COUNTY DUCHESE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1122			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1141			26. PROPOSED DEPTH MD: 6597 TVD: 6460				
27. ELEVATION - GROUND LEVEL 5226			28. BOND NUMBER WYB000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
PROD	7.875	5.5	0 - 6597	15.5	J-55 LT&C	8.3	Premium Lite High Strength	318	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Heather Calder				TITLE Production Technician			PHONE 435 646-4936			
SIGNATURE				DATE 11/07/2013			EMAIL hcalder@newfield.com			
API NUMBER ASSIGNED 43013526610000				APPROVAL Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU N-21-8-17
AT SURFACE: SE/NW SECTION 21, T8S R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 4,235'
Green River	4,235'
Wasatch	6,715'
Proposed TD	6,597'(MD) 6,460' (TVD)

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 4,235' – 6,715'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU N-21-8-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,597'	15.5	J-55	LTC	4,810 2.29	4,040 1.92	217,000 2.12

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU N-21-8-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,597'	Prem Lite II w/ 10% gel + 3% KCl	318 1036	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

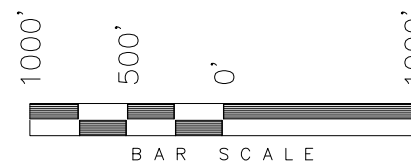
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the 2nd quarter of 2014, and take approximately seven (7) days from spud to rig release.

T8S, R17E, S.L.B.&M.**NEWFIELD EXPLORATION COMPANY**

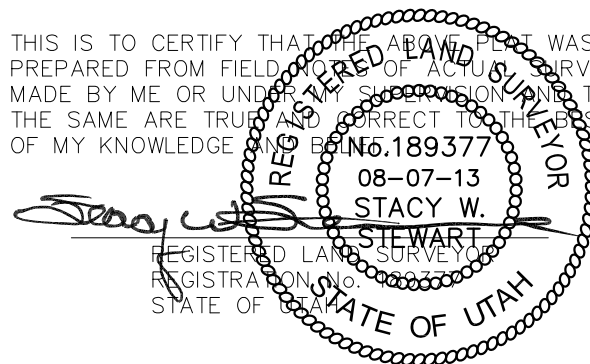
WELL LOCATION, N-21-8-17, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-21-8-17, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

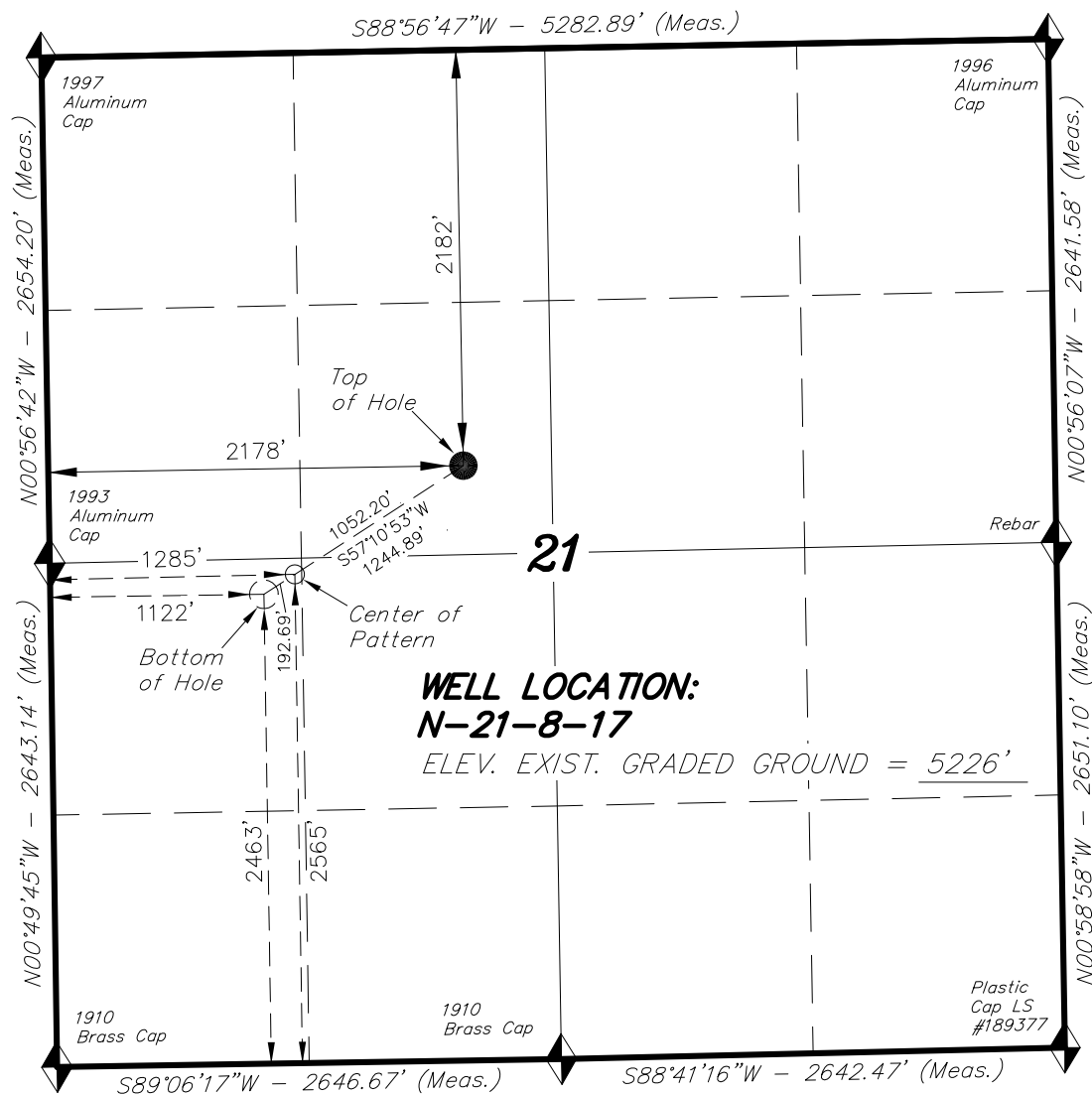
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 02-29-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 08-07-13	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: November 07, 2013

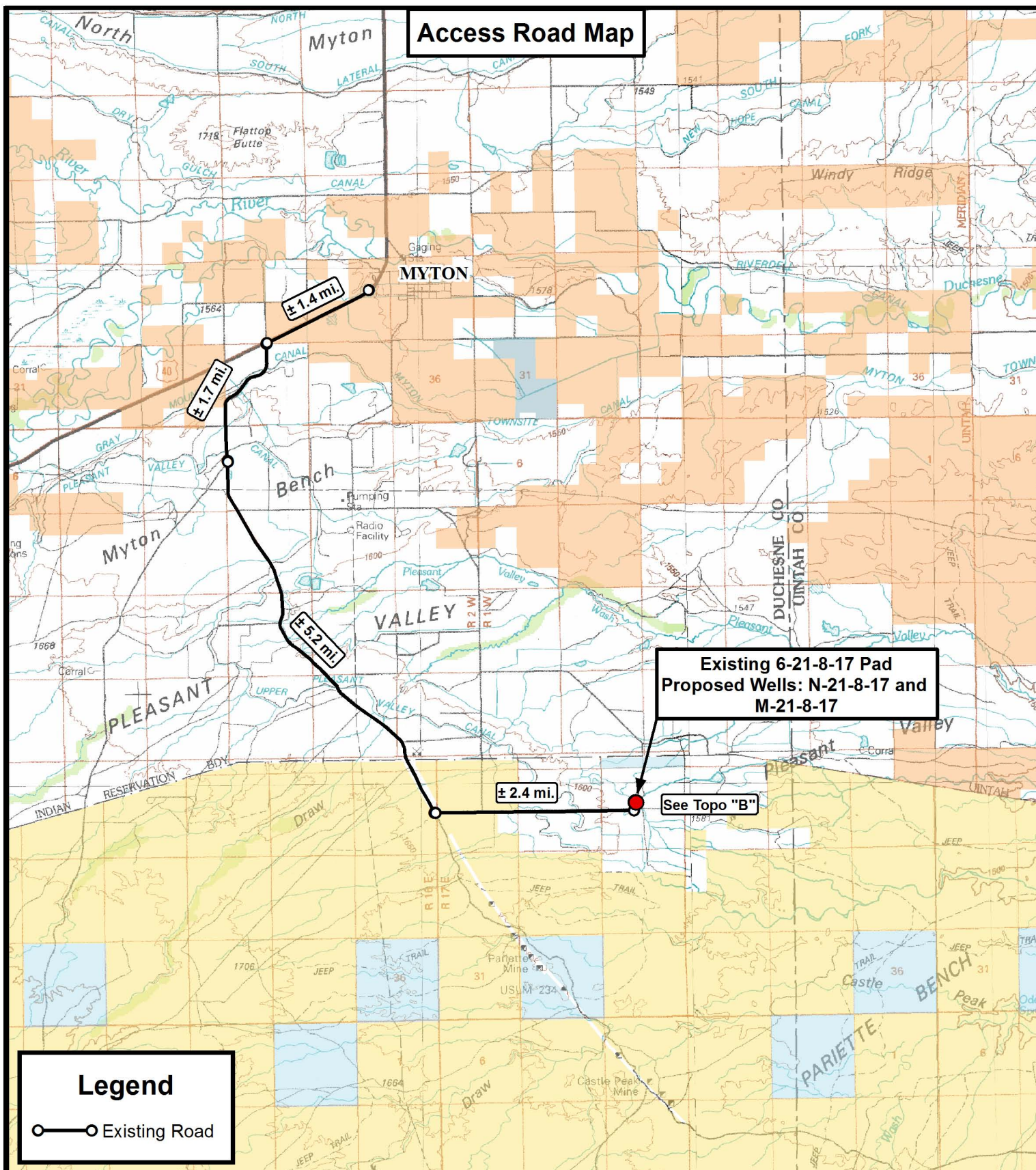


◆ = SECTION CORNERS LOCATED

BASIS OF ELEV: Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°06'17.11"	LATITUDE = 40°06'17.11"
LONGITUDE = 110°00'47.15"	LONGITUDE = 110°00'47.15"
NAD 27 (SURFACE LOCATION)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°06'17.25"	LATITUDE = 40°06'17.25"
LONGITUDE = 110°00'44.62"	LONGITUDE = 110°00'44.62"
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°06'11.62"	LATITUDE = 40°06'10.62"
LONGITUDE = 110°00'58.65"	LONGITUDE = 110°01'00.76"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°06'11.76"	LATITUDE = 40°06'10.76"
LONGITUDE = 110°00'56.11"	LONGITUDE = 110°00'58.22"

Access Road Map



Legend

Existing Road



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Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

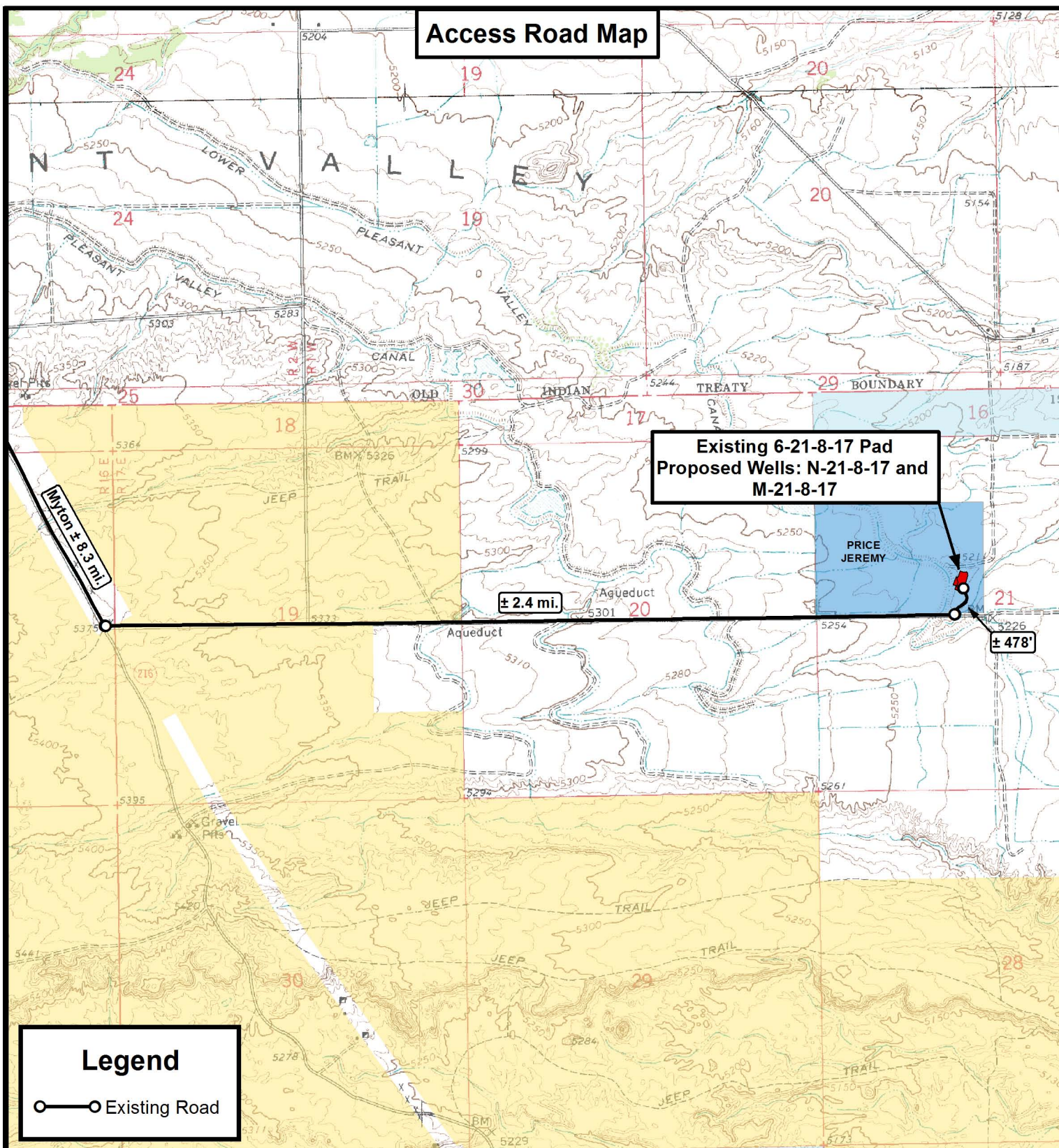
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-09-2013		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map



Legend

—○— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

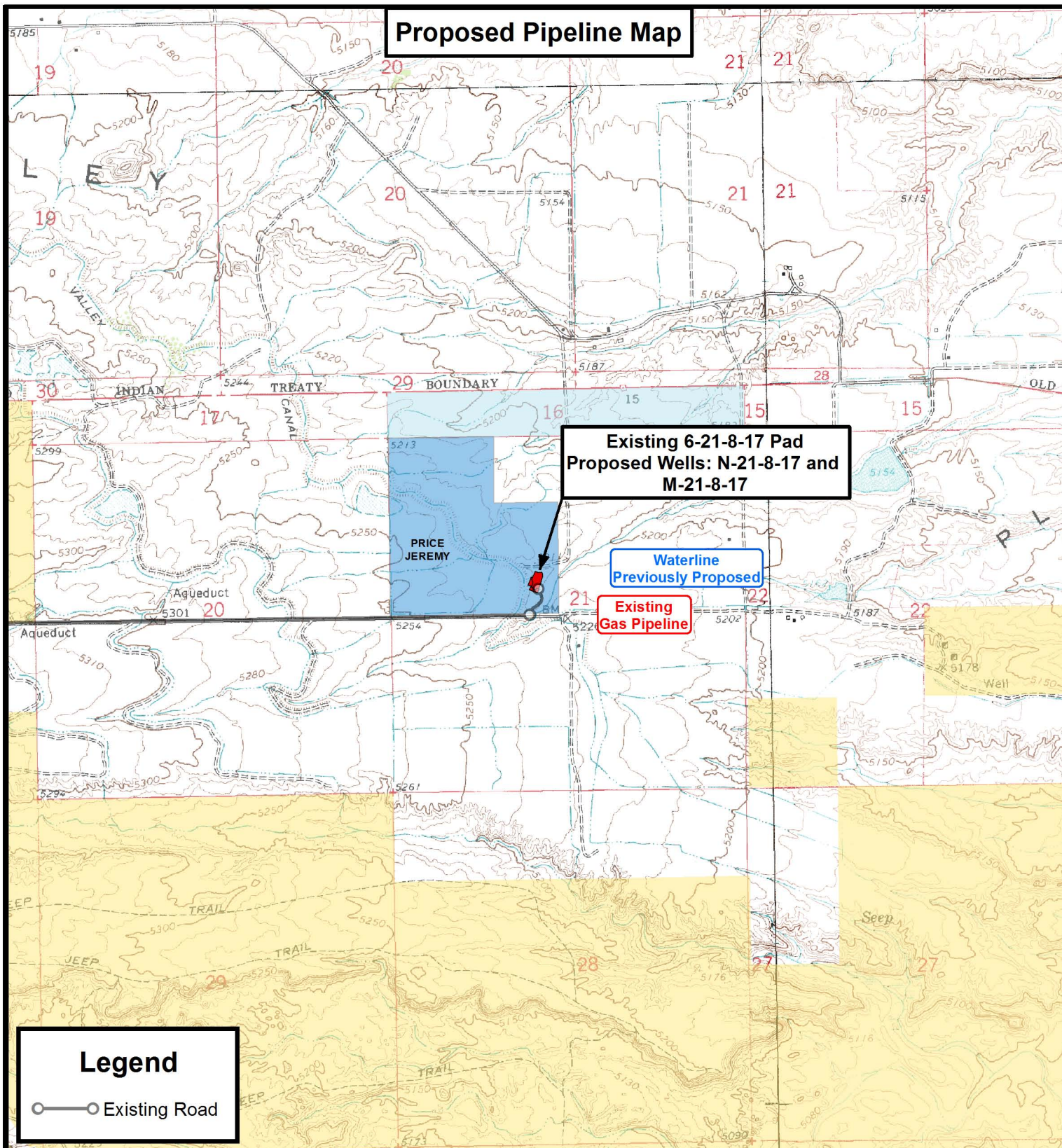
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DATE:	08-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

B

Proposed Pipeline Map



Legend

— Existing Road

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NEWFIELD EXPLORATION COMPANY

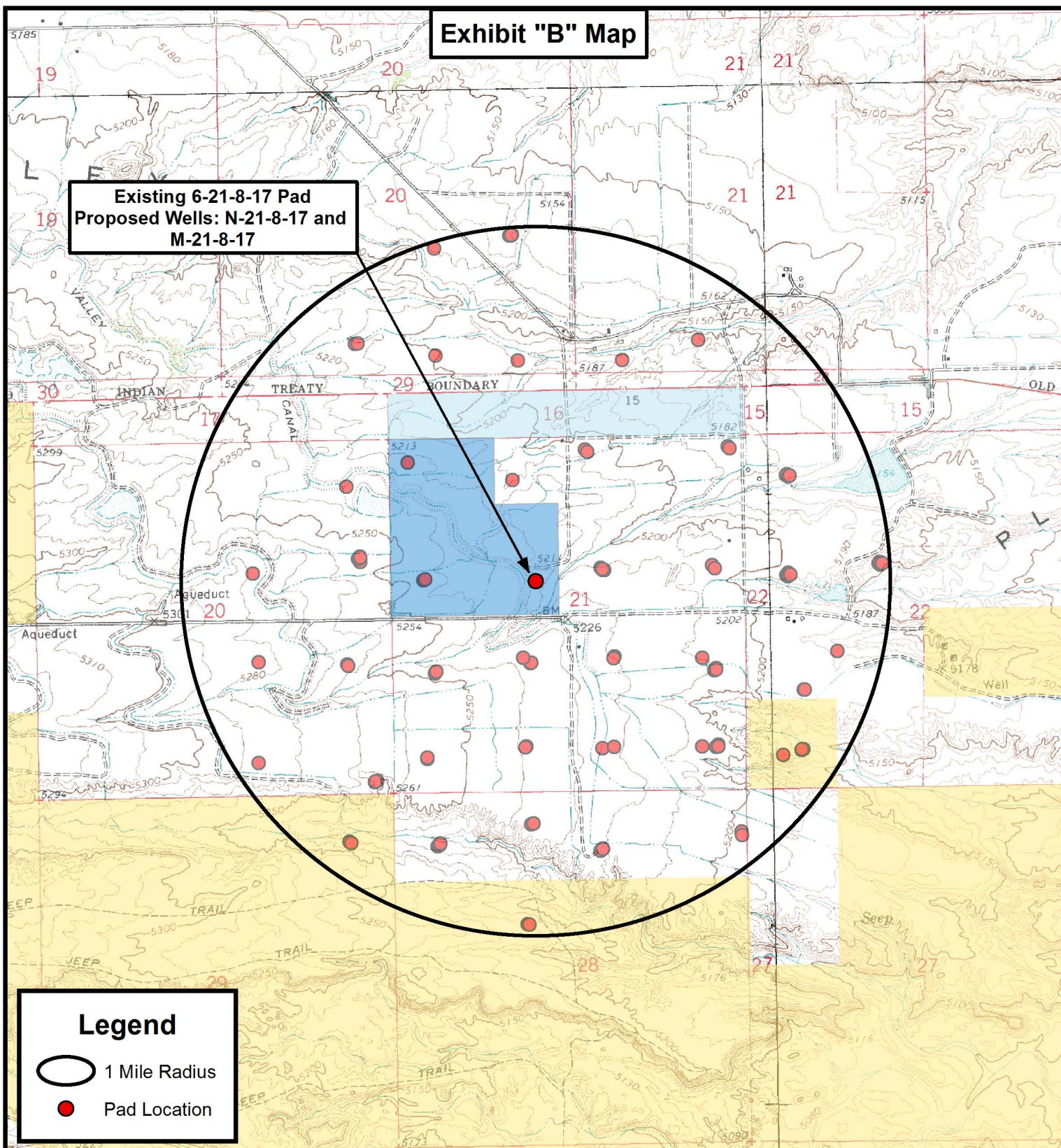
Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

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SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

C



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NEWFIELD EXPLORATION COMPANY

Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

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SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
6-21-8-17	Surface Hole	40° 06' 17.30" N	110° 00' 47.26" W
N-21-8-17	Surface Hole	40° 06' 17.11" N	110° 00' 47.15" W
M-21-8-17	Surface Hole	40° 06' 16.92" N	110° 00' 47.05" W
N-21-8-17	Center of Pattern	40° 06' 11.62" N	110° 00' 58.65" W
M-21-8-17	Center of Pattern	40° 06' 11.50" N	110° 00' 40.11" W
N-21-8-17	Bottom of Hole	40° 06' 10.62" N	110° 01' 00.76" W
M-21-8-17	Bottom of Hole	40° 06' 10.35" N	110° 00' 38.65" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
6-21-8-17	Surface Hole	40.104807	110.013128
N-21-8-17	Surface Hole	40.104753	110.013098
M-21-8-17	Surface Hole	40.104700	110.013068
N-21-8-17	Center of Pattern	40.103229	110.016292
M-21-8-17	Center of Pattern	40.103194	110.011141
N-21-8-17	Bottom of Hole	40.102950	110.016877
M-21-8-17	Bottom of Hole	40.102876	110.010735
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
6-21-8-17	Surface Hole	4439856.517	584110.845
N-21-8-17	Surface Hole	4439850.618	584113.482
M-21-8-17	Surface Hole	4439844.718	584116.119
N-21-8-17	Center of Pattern	4439678.390	583843.157
M-21-8-17	Center of Pattern	4439679.372	584282.205
N-21-8-17	Bottom of Hole	4439646.850	583793.653
M-21-8-17	Bottom of Hole	4439644.488	584317.244
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
6-21-8-17	Surface Hole	40° 06' 17.44" N	110° 00' 44.73" W
N-21-8-17	Surface Hole	40° 06' 17.25" N	110° 00' 44.62" W
M-21-8-17	Surface Hole	40° 06' 17.06" N	110° 00' 44.51" W
N-21-8-17	Center of Pattern	40° 06' 11.76" N	110° 00' 56.11" W
M-21-8-17	Center of Pattern	40° 06' 11.64" N	110° 00' 37.57" W
N-21-8-17	Bottom of Hole	40° 06' 10.76" N	110° 00' 58.22" W
M-21-8-17	Bottom of Hole	40° 06' 10.49" N	110° 00' 36.11" W



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COORDINATE REPORT

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Coordinate Report

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COORDINATE REPORT

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NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 21 T8S, R17E
N-21-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

03 December, 2012





Payzone Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well N-21-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	N-21-8-17 @ 5237.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	N-21-8-17 @ 5237.0ft (Original Well Elev)
Site:	SECTION 21 T8S, R17E	North Reference:	True
Well:	N-21-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 21 T8S, R17E			
Site Position:		Northing:	7,210,000.00 ft	Latitude: 40° 6' 13.990 N
From:	Lat/Long	Easting:	2,055,000.00 ft	Longitude: 110° 1' 3.925 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.95 °

Well	N-21-8-17, SHL LAT: 40 06 17.11 LONG: -110 00 47.15			
Well Position	+N/-S	315.6 ft	Northing:	7,210,337.26 ft
	+E/-W	1,303.4 ft	Easting:	2,056,297.93 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,237.0 ft
			Ground Level:	5,225.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/3/2012	11.11	65.82	52,167

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	237.18

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,461.2	12.92	237.18	1,453.9	-52.4	-81.2	1.50	1.50	-14.26	237.18	
5,735.5	12.92	237.18	5,620.0	-570.3	-884.2	0.00	0.00	0.00	0.00	N-21-8-17 TGT
6,597.3	12.92	237.18	6,460.0	-674.7	-1,046.2	0.00	0.00	0.00	0.00	



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well N-21-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	N-21-8-17 @ 5237.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	N-21-8-17 @ 5237.0ft (Original Well Elev)
Site:	SECTION 21 T8S, R17E	North Reference:	True
Well:	N-21-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	237.18	700.0	-0.7	-1.1	1.3	1.50	1.50	0.00
800.0	3.00	237.18	799.9	-2.8	-4.4	5.2	1.50	1.50	0.00
900.0	4.50	237.18	899.7	-6.4	-9.9	11.8	1.50	1.50	0.00
1,000.0	6.00	237.18	999.3	-11.3	-17.6	20.9	1.50	1.50	0.00
1,100.0	7.50	237.18	1,098.6	-17.7	-27.5	32.7	1.50	1.50	0.00
1,200.0	9.00	237.18	1,197.5	-25.5	-39.5	47.0	1.50	1.50	0.00
1,300.0	10.50	237.18	1,296.1	-34.7	-53.8	64.0	1.50	1.50	0.00
1,400.0	12.00	237.18	1,394.2	-45.2	-70.1	83.5	1.50	1.50	0.00
1,461.2	12.92	237.18	1,453.9	-52.4	-81.2	96.7	1.50	1.50	0.00
1,500.0	12.92	237.18	1,491.7	-57.1	-88.5	105.3	0.00	0.00	0.00
1,600.0	12.92	237.18	1,589.2	-69.2	-107.3	127.7	0.00	0.00	0.00
1,700.0	12.92	237.18	1,686.7	-81.3	-126.1	150.1	0.00	0.00	0.00
1,800.0	12.92	237.18	1,784.1	-93.4	-144.9	172.4	0.00	0.00	0.00
1,900.0	12.92	237.18	1,881.6	-105.6	-163.7	194.8	0.00	0.00	0.00
2,000.0	12.92	237.18	1,979.1	-117.7	-182.5	217.1	0.00	0.00	0.00
2,100.0	12.92	237.18	2,076.6	-129.8	-201.3	239.5	0.00	0.00	0.00
2,200.0	12.92	237.18	2,174.0	-141.9	-220.0	261.8	0.00	0.00	0.00
2,300.0	12.92	237.18	2,271.5	-154.0	-238.8	284.2	0.00	0.00	0.00
2,400.0	12.92	237.18	2,369.0	-166.1	-257.6	306.5	0.00	0.00	0.00
2,500.0	12.92	237.18	2,466.4	-178.3	-276.4	328.9	0.00	0.00	0.00
2,600.0	12.92	237.18	2,563.9	-190.4	-295.2	351.3	0.00	0.00	0.00
2,700.0	12.92	237.18	2,661.4	-202.5	-314.0	373.6	0.00	0.00	0.00
2,800.0	12.92	237.18	2,758.8	-214.6	-332.8	396.0	0.00	0.00	0.00
2,900.0	12.92	237.18	2,856.3	-226.7	-351.5	418.3	0.00	0.00	0.00
3,000.0	12.92	237.18	2,953.8	-238.8	-370.3	440.7	0.00	0.00	0.00
3,100.0	12.92	237.18	3,051.2	-251.0	-389.1	463.0	0.00	0.00	0.00
3,200.0	12.92	237.18	3,148.7	-263.1	-407.9	485.4	0.00	0.00	0.00
3,300.0	12.92	237.18	3,246.2	-275.2	-426.7	507.7	0.00	0.00	0.00
3,400.0	12.92	237.18	3,343.7	-287.3	-445.5	530.1	0.00	0.00	0.00
3,500.0	12.92	237.18	3,441.1	-299.4	-464.3	552.5	0.00	0.00	0.00
3,600.0	12.92	237.18	3,538.6	-311.5	-483.1	574.8	0.00	0.00	0.00
3,700.0	12.92	237.18	3,636.1	-323.7	-501.8	597.2	0.00	0.00	0.00
3,800.0	12.92	237.18	3,733.5	-335.8	-520.6	619.5	0.00	0.00	0.00
3,900.0	12.92	237.18	3,831.0	-347.9	-539.4	641.9	0.00	0.00	0.00
4,000.0	12.92	237.18	3,928.5	-360.0	-558.2	664.2	0.00	0.00	0.00
4,100.0	12.92	237.18	4,025.9	-372.1	-577.0	686.6	0.00	0.00	0.00
4,200.0	12.92	237.18	4,123.4	-384.2	-595.8	708.9	0.00	0.00	0.00
4,300.0	12.92	237.18	4,220.9	-396.4	-614.6	731.3	0.00	0.00	0.00
4,400.0	12.92	237.18	4,318.3	-408.5	-633.4	753.7	0.00	0.00	0.00
4,500.0	12.92	237.18	4,415.8	-420.6	-652.1	776.0	0.00	0.00	0.00
4,600.0	12.92	237.18	4,513.3	-432.7	-670.9	798.4	0.00	0.00	0.00
4,700.0	12.92	237.18	4,610.8	-444.8	-689.7	820.7	0.00	0.00	0.00
4,800.0	12.92	237.18	4,708.2	-456.9	-708.5	843.1	0.00	0.00	0.00
4,900.0	12.92	237.18	4,805.7	-469.1	-727.3	865.4	0.00	0.00	0.00
5,000.0	12.92	237.18	4,903.2	-481.2	-746.1	887.8	0.00	0.00	0.00
5,100.0	12.92	237.18	5,000.6	-493.3	-764.9	910.1	0.00	0.00	0.00
5,200.0	12.92	237.18	5,098.1	-505.4	-783.6	932.5	0.00	0.00	0.00



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well N-21-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	N-21-8-17 @ 5237.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	N-21-8-17 @ 5237.0ft (Original Well Elev)
Site:	SECTION 21 T8S, R17E	North Reference:	True
Well:	N-21-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	12.92	237.18	5,195.6	-517.5	-802.4	954.9	0.00	0.00	0.00
5,400.0	12.92	237.18	5,293.0	-529.6	-821.2	977.2	0.00	0.00	0.00
5,500.0	12.92	237.18	5,390.5	-541.8	-840.0	999.6	0.00	0.00	0.00
5,600.0	12.92	237.18	5,488.0	-553.9	-858.8	1,021.9	0.00	0.00	0.00
5,700.0	12.92	237.18	5,585.4	-566.0	-877.6	1,044.3	0.00	0.00	0.00
5,735.5	12.92	237.18	5,620.0	-570.3	-884.2	1,052.2	0.00	0.00	0.00
5,800.0	12.92	237.18	5,682.9	-578.1	-896.4	1,066.6	0.00	0.00	0.00
5,900.0	12.92	237.18	5,780.4	-590.2	-915.2	1,089.0	0.00	0.00	0.00
6,000.0	12.92	237.18	5,877.9	-602.3	-933.9	1,111.3	0.00	0.00	0.00
6,100.0	12.92	237.18	5,975.3	-614.5	-952.7	1,133.7	0.00	0.00	0.00
6,200.0	12.92	237.18	6,072.8	-626.6	-971.5	1,156.1	0.00	0.00	0.00
6,300.0	12.92	237.18	6,170.3	-638.7	-990.3	1,178.4	0.00	0.00	0.00
6,400.0	12.92	237.18	6,267.7	-650.8	-1,009.1	1,200.8	0.00	0.00	0.00
6,500.0	12.92	237.18	6,365.2	-662.9	-1,027.9	1,223.1	0.00	0.00	0.00
6,597.3	12.92	237.18	6,460.0	-674.7	-1,046.2	1,244.9	0.00	0.00	0.00

API Well Number: 43013526610000

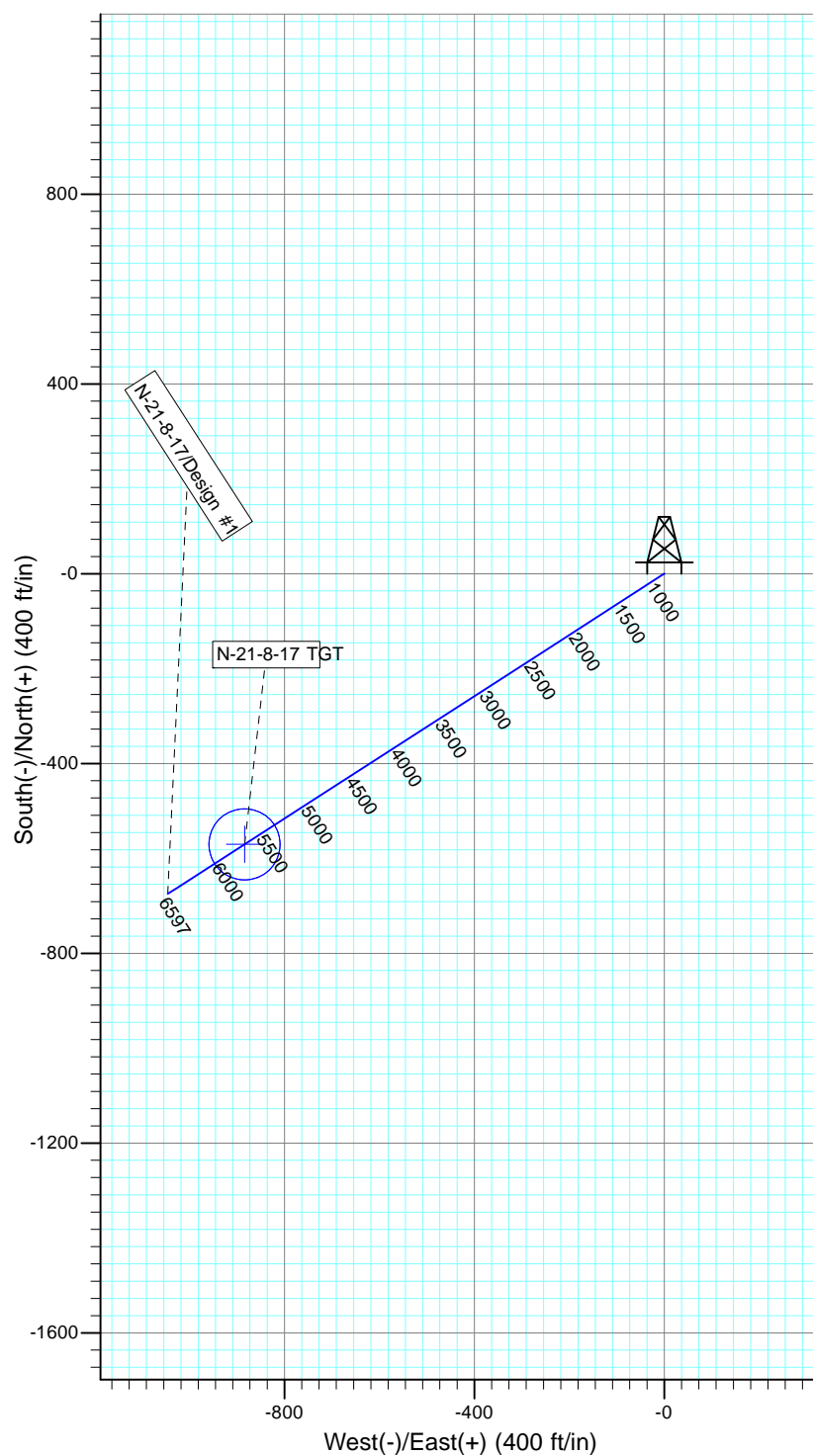
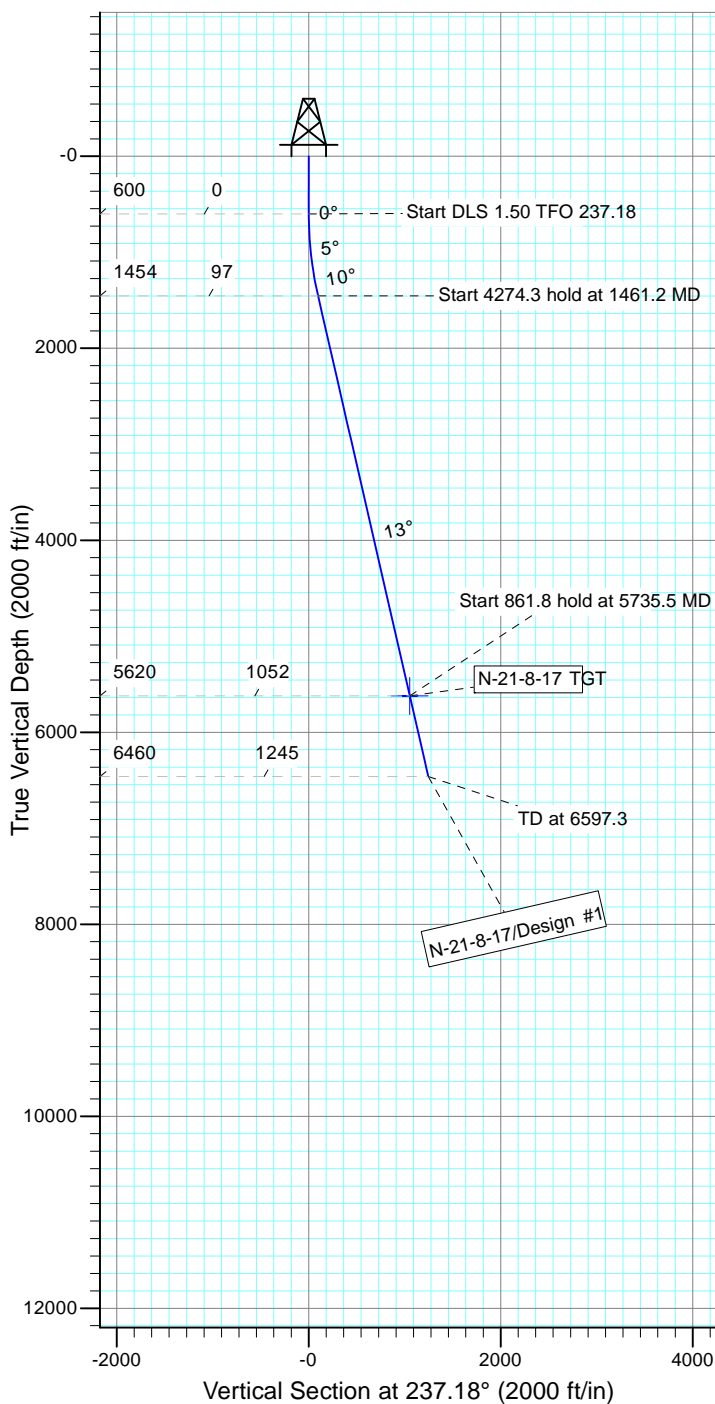


Project: USGS Myton SW (UT)
 Site: SECTION 21 T8S, R17E
 Well: N-21-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.11°

Magnetic Field
 Strength: 52166.9snT
 Dip Angle: 65.82°
 Date: 12/3/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N-21-8-17 TGT	5620.0	-570.3	-884.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1461.2	12.92	237.18	1453.9	-52.4	-81.2	1.50	237.18	96.7	
4	5735.5	12.92	237.18	5620.0	-570.3	-884.2	0.00	0.00	1052.2	N-21-8-17 TGT
5	6597.3	12.92	237.18	6460.0	-674.7	-1046.2	0.00	0.00	1244.9	



**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND
SURFACE USE AGREEMENT**

Peter Burns personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed M-21-8-17E and N-21-8-17E wells with a surface location to be positioned in the SENW of Section 21, Township 8 South, Range 17 East, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Jeremy and Jennifer Price, whose address is Route 3, Box 3720, Myton, UT 84052 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated May 16, 2013 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.



Peter Burns

ACKNOWLEDGEMENT

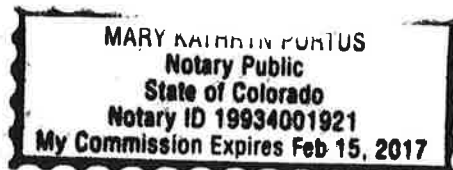
STATE OF COLORADO §
 §
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 7th day of November, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:



**NEWFIELD PRODUCTION COMPANY
GMBU N-21-8-17
AT SURFACE: SE/NW SECTION 21, T8S R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU N-21-8-17 located in the SE 1/4 NW 1/4 Section 21, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.9 miles \pm to it's junction with an existing road to the east; proceed in a easterly direction – 2.4 miles \pm to it's junction with the beginning of the access road to the existing 6-21-8-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 6-21-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – Jeremy Price.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-275 10/14/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, Wade E Miller, Report dated 9/25/13.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU N-21-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU N-21-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

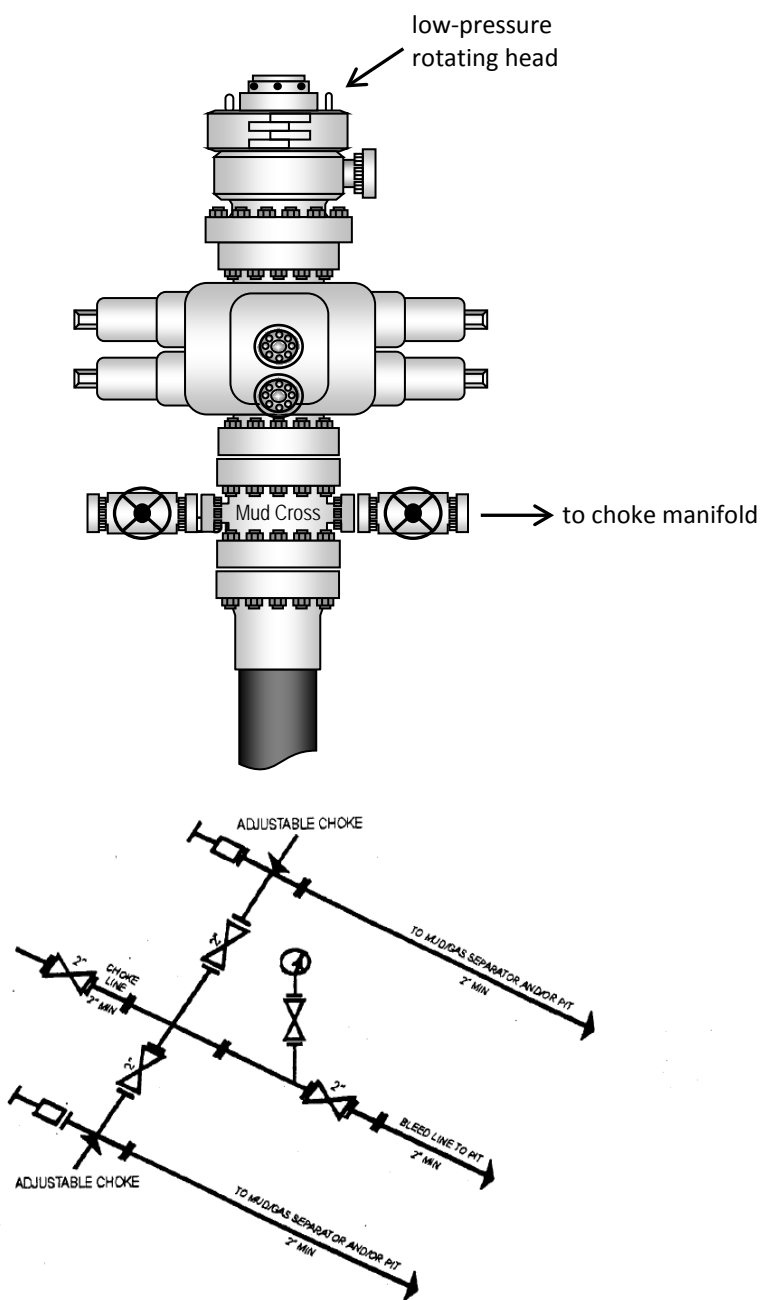
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-21-8-17, Section 21, Township 8S, Range 17E: Lease UTU-76954 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Date 11/6/13

Heather Calder
Regulatory Technician
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY**WELL PAD INTERFERENCE PLAT****EXISTING 6-21-8-17 PAD****PROPOSED WELLS: N-21-8-17 AND M-21-8-17**

Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.

**TOP HOLE FOOTAGES**

N-21-8-17
2182' FNL & 2178' FWL
M-21-8-17
2201' FNL & 2187' FWL

**CENTER OF
PATTERN FOOTAGES**

N-21-8-17
2565' FSL & 1285' FWL
M-21-8-17
2553' FSL & 2556' FEL

BOTTOM HOLE FOOTAGES

N-21-8-17
2463' FSL & 1122' FWL
M-21-8-17
2437' FSL & 2442' FEL

**LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)**

WELL	LATITUDE	LONGITUDE
6-21-8-17	40° 06' 17.30"	110° 00' 47.26"
N-21-8-17	40° 06' 17.11"	110° 00' 47.15"
M-21-8-17	40° 06' 16.92"	110° 00' 47.05"

Edge of
Existing PadExisting
Pivot Track

Proposed Pit

6-21-8-17 (EXISTING)

N-21-8-17 (PROPOSED)

M-21-8-17 (PROPOSED)

(To Center of Pattern)
S57°10'53"W - 1052.20'
S57°10'53"W - 1244.89'
(To Bottom of Hole)

(To Center of Pattern)
S45°26'40"E - 931.64'
S45°26'40"E - 769.33'
(To Bottom of Hole)

Note:Bearings are based
on GPS Observations.**RELATIVE COORDINATES
From Top Hole to C.O.P.**

WELL	NORTH	EAST
N-21-8-17	-570'	-884'
M-21-8-17	-540'	548

**RELATIVE COORDINATES
From Top Hole to Bottom Hole**

WELL	NORTH	EAST
N-21-8-17	-675'	-1046'
M-21-8-17	-654'	664

**LATITUDE & LONGITUDE
Center of Pattern (NAD 83)**

WELL	LATITUDE	LONGITUDE
N-21-8-17	40° 06' 11.62"	110° 00' 58.65"
M-21-8-17	40° 06' 11.50"	110° 00' 40.11"

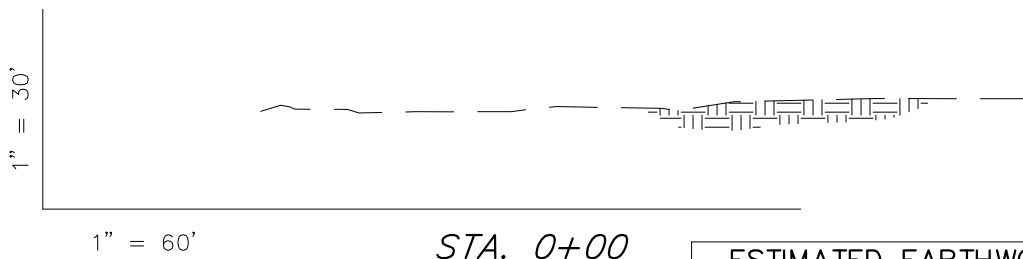
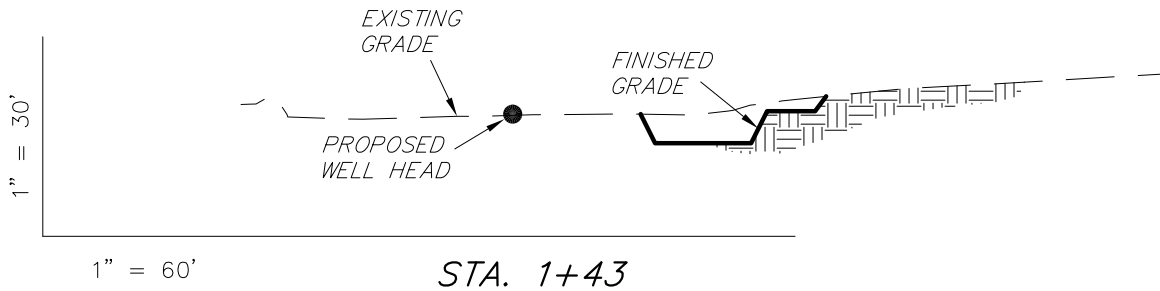
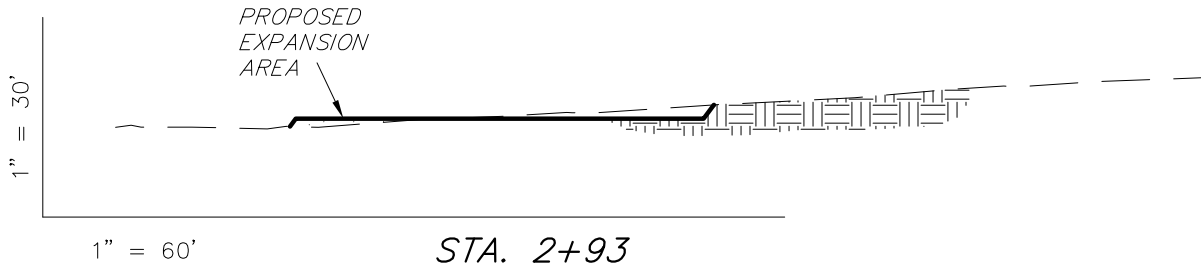
**LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)**

WELL	LATITUDE	LONGITUDE
N-21-8-17	40° 06' 10.62"	110° 01' 00.76"
M-21-8-17	40° 06' 10.35"	110° 00' 38.65"

SURVEYED BY: W.H. DATE SURVEYED: 02-29-2 VERSION:
DRAWN BY: M.W. DATE DRAWN: 08-07-13
SCALE: 1" = 60' REVISED: V1

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION COMPANY***CROSS SECTIONS
EXISTING 6-21-8-17 PAD******PROPOSED WELLS: N-21-8-17 AND M-21-8-17****Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

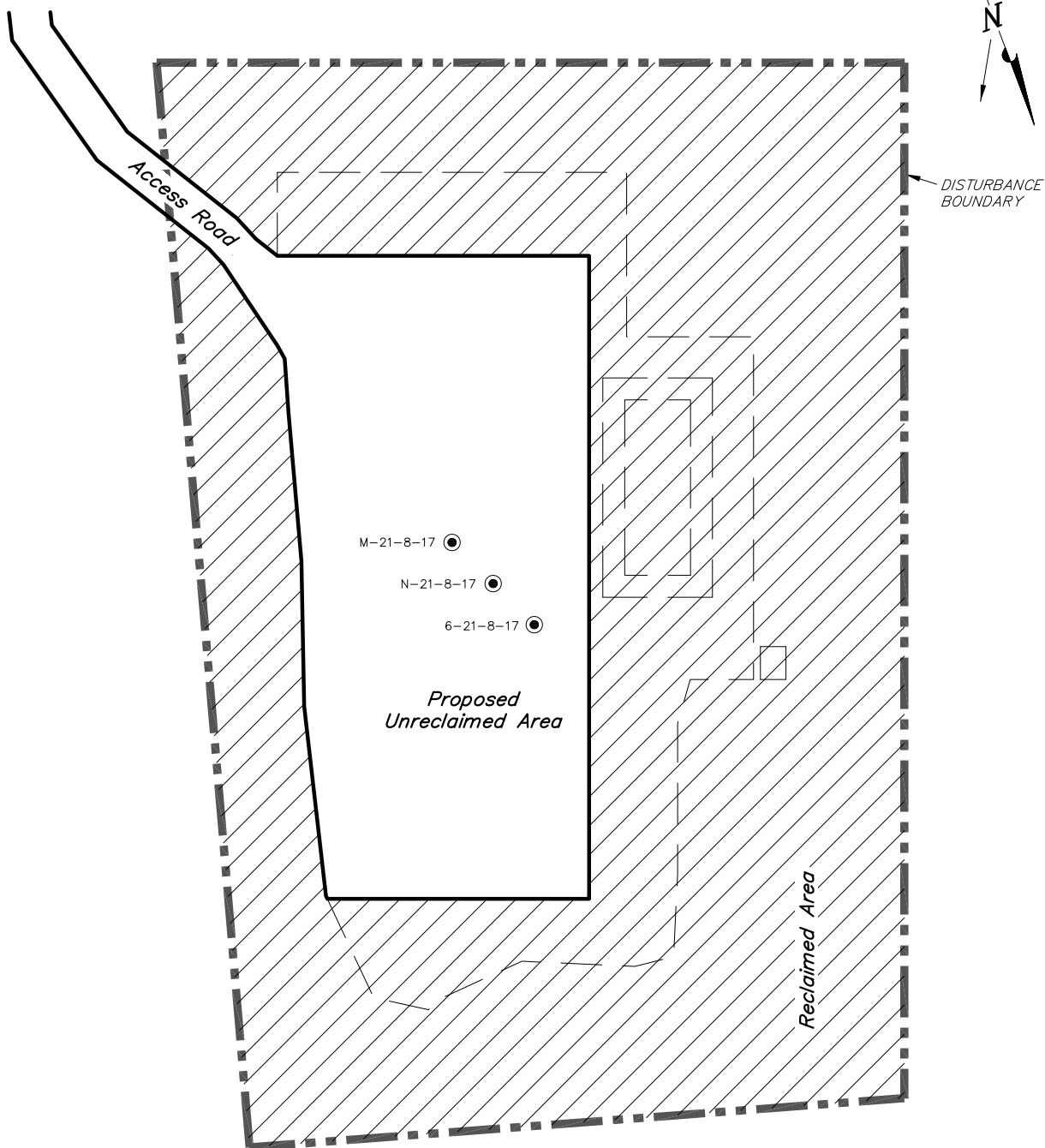
ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	190	50	Topsoil is not included in Pad Cut	140
PIT	690	0		690
TOTALS	880	50	310	830

SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1
SCALE: 1" = 60'	REVISED:	

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION COMPANY***RECLAMATION LAYOUT******EXISTING 6-21-8-17 PAD******PROPOSED WELLS: N-21-8-17 AND M-21-8-17****Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.***Notes:**

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = ± 2.27 ACRES
 TOTAL RECLAIMED AREA = ± 1.76 ACRES
 UNRECLAIMED AREA = ± 0.51 ACRES

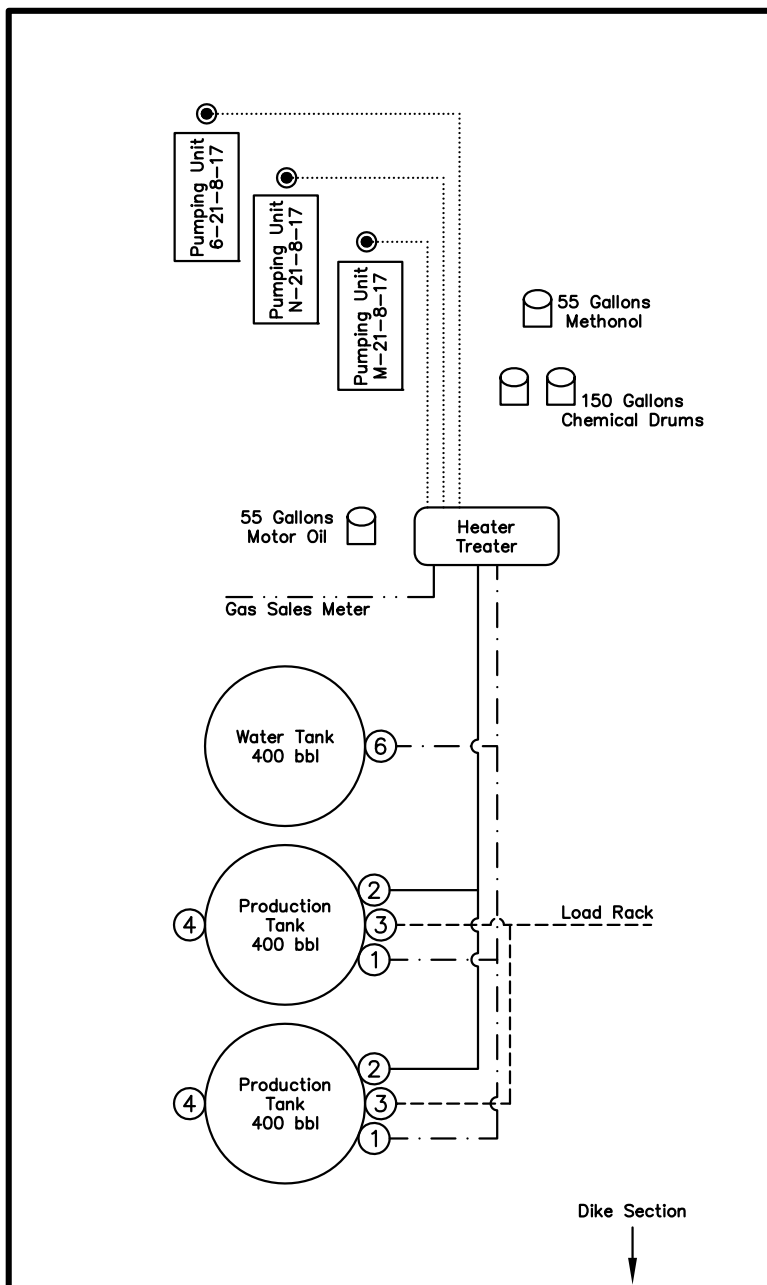
SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1
SCALE: 1" = 60'	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION COMPANY**PROPOSED SITE FACILITY DIAGRAM****EXISTING 6-21-8-17 PAD****6-21-8-17 UTU-76954****N-21-8-17 UTU-76954****M-21-8-17 UTU-76954**

*Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.
Duchesne County, Utah*

**Legend**

Emulsion Line
 Load Rack - - - - -
 Water Line - . - . -
 Gas Sales -
 Oil Line - - - - -

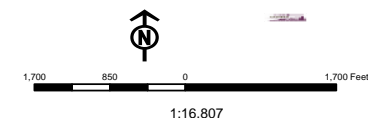
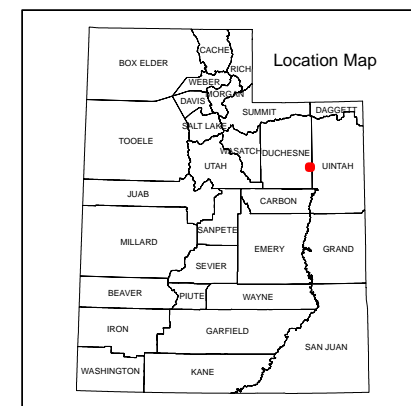
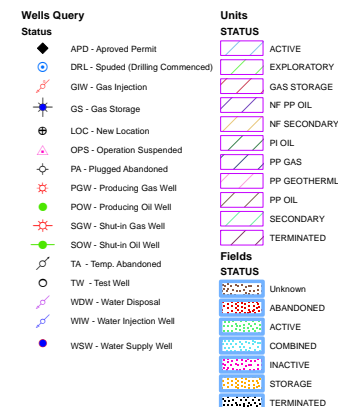
NOT TO SCALE

SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1
SCALE: NONE	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: November 07, 2013

Map Prepared: 11/13/2013
Map Produced by Diana Mason



NEWFIELD



VIA ELECTRONIC DELIVERY

November 15, 2013

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

Newfield Exploration Company

1001 17th Street | Suite 2000
Denver, Colorado 80202
PH 303-893-0102 | FAX 303-893-0103

RE: Directional Drilling
GMBU N-21-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 21: SENW (UTU-76954)
2182' FNL 2178' FWL

At Target: T8S-R17E Section 21: NWSW (UTU-76954)
2463' FSL 1122' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 11/12/13, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Leslie Burget
Land Associate

Form 3160-3
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU76954
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD EXPLORATION Contact: HEATHER CALDER E-Mail: hcalder@newfield.com		7. If Unit or CA Agreement, Name and No. GMBU
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU N-21-8-17
3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-3031		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 2182FNL 2178FWL At proposed prod. zone NWSW 2463FSL 1122FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 10.7 MILES SOUTH OF MYTON, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T8S R17E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1122'	16. No. of Acres in Lease 1561.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1141'	19. Proposed Depth 6597 MD 6460 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5226 GL	20. BLM/BIA Bond No. on file WYB000493	17. Spacing Unit dedicated to this well 20.00
	22. Approximate date work will start 04/01/2014	23. Estimated duration 7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER CALDER Ph: 435-646-4936	Date 11/12/2013
Title REGULATORY TECHNICIAN		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

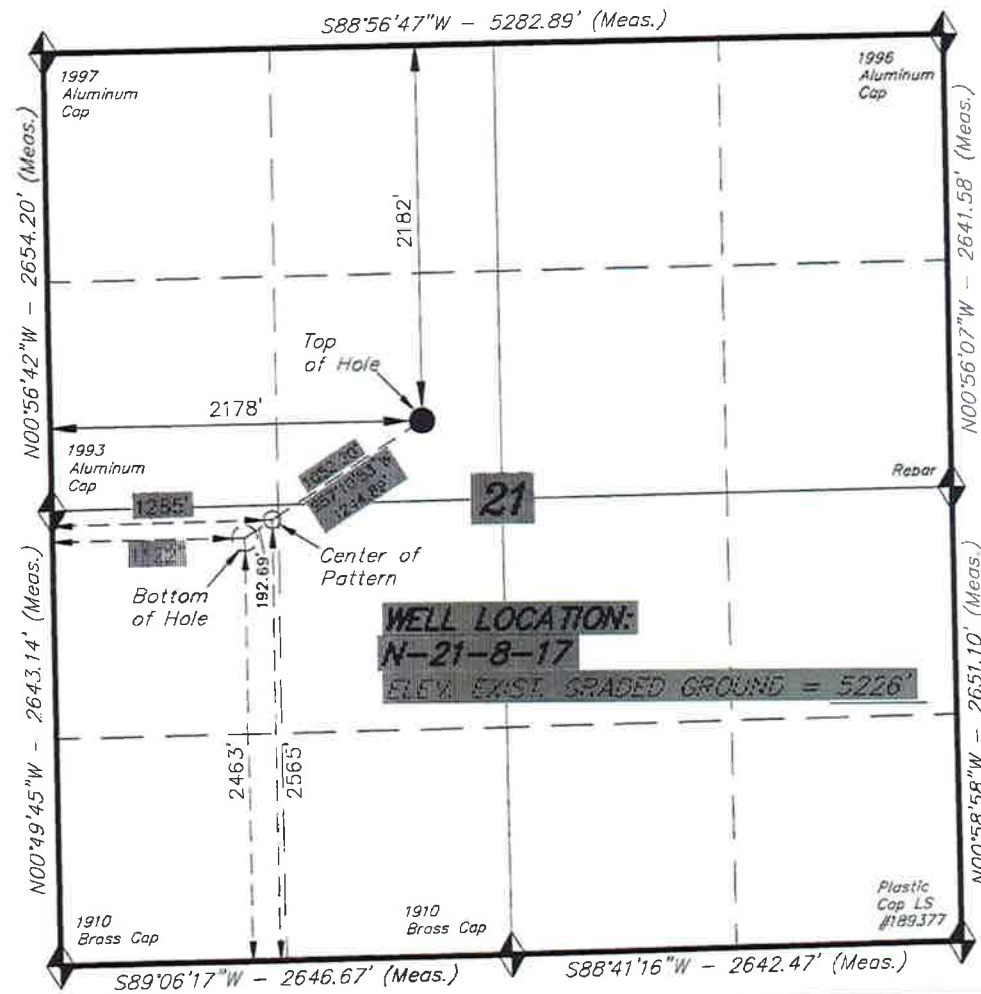
Electronic Submission #226272 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

API Well Number: 43013526610000

Additional Operator Remarks:

SURFACE HOLE LEASE:UTU76954
SURFACE IS FEE AND OWNED BY JEREMY AND JENNIFER PRICE.)
BOTTOM HOLE LEASE:UTU76954

T8S, R17E, S.L.B.&M.

= SECTION CORNERS LOCATED

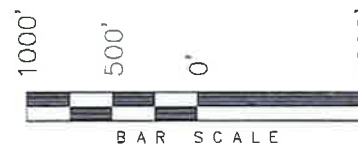
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Ccp) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°06'17.11"	
LONGITUDE = 110°00'47.15"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'17.25"	
LONGITUDE = 110°00'44.62"	
NAD 83 (CENTER OF PATTERN)	
LATITUDE = 40°06'11.62"	
LONGITUDE = 110°00'58.65"	
NAD 27 (CENTER OF PATTERN)	
LATITUDE = 40°06'11.76"	
LONGITUDE = 110°00'56.11"	
NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE = 40°06'10.62"	
LONGITUDE = 110°01'00.75"	
NAD 27 (BOTTOM HOLE LOCATION)	
LATITUDE = 40°06'10.76"	
LONGITUDE = 110°00'58.22"	

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, N-21-8-17, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-21-8-17, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

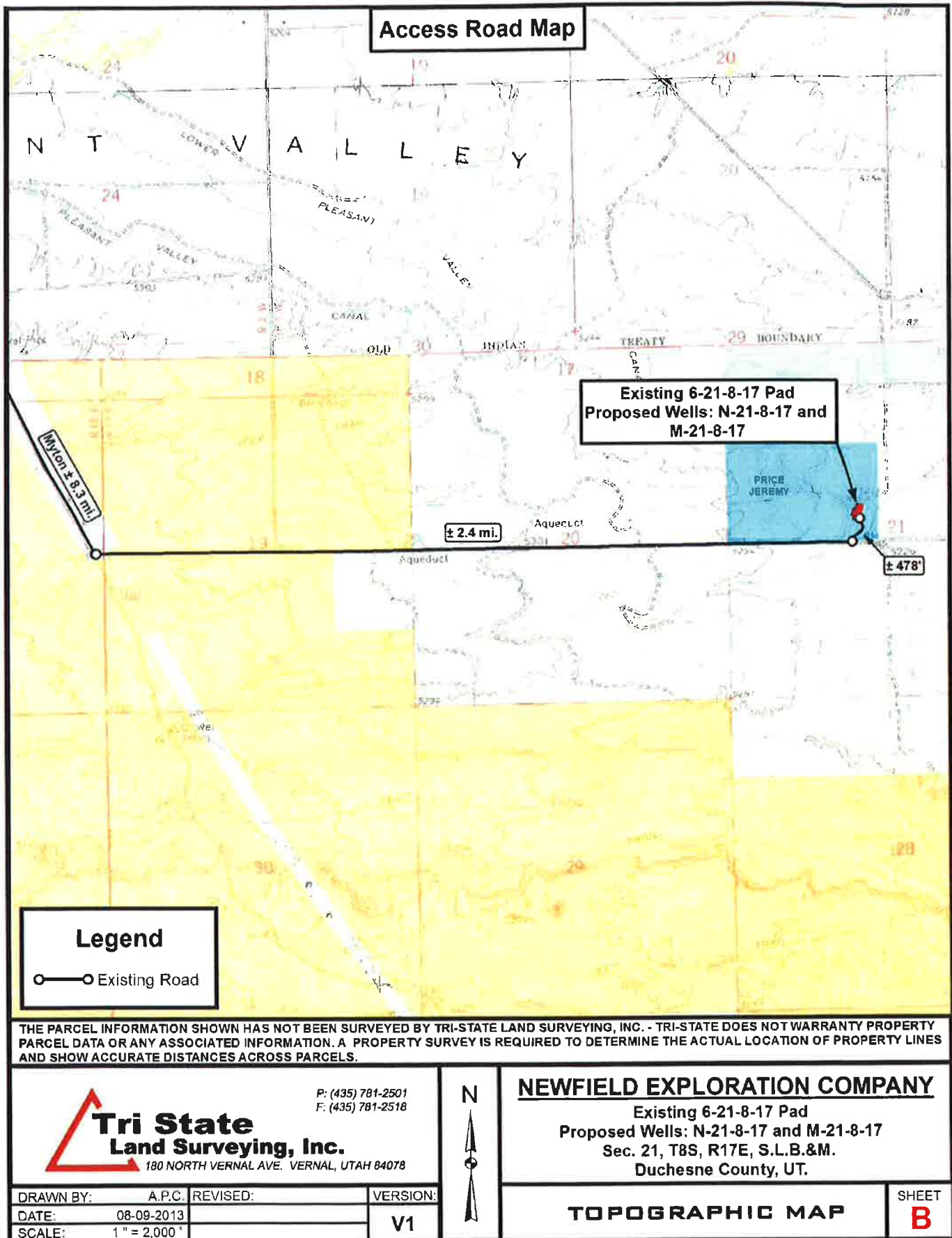
REGISTERED LAND SURVEYOR
08-07-13
STACY W. STILWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 02-29-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 08-07-13	DRAWN BY: M.W.	
REVISED:	SCALE: 1" = 1000'	

V1



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:

3160
(UT-922)

November 18, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
Proposed PZ GREEN RIVER)		
43-013-52642	GMBU 103-5-9-16	Sec 05 T09S R16E 0681 FNL 2052 FWL
	BHL	Sec 32 T08S R16E 0116 FSL 1972 FWL
43-013-52654	GMBU 10-9-9-16	Sec 09 T09S R16E 1755 FSL 1989 FEL
	BHL	Sec 09 T09S R16E 1755 FSL 1989 FEL
43-013-52660	GMBU P-22-8-17	Sec 21 T08S R17E 1759 FSL 0477 FEL
	BHL	Sec 22 T08S R17E 1028 FSL 0073 FWL
43-013-52661	GMBU N-21-8-17	Sec 21 T08S R17E 2182 FNL 2178 FWL
	BHL	Sec 21 T08S R17E 2463 FSL 1122 FWL
43-013-52662	GMBU M-21-8-17	Sec 21 T08S R17E 2201 FNL 2187 FWL
	BHL	Sec 21 T08S R17E 2437 FSL 2442 FEL
43-013-52668	GMBU 125-7-9-16	Sec 07 T09S R16E 1979 FSL 0620 FEL
	BHL	Sec 07 T09S R16E 1023 FSL 0714 FEL
43-013-52670	GMBU 108-18-9-16	Sec 17 T09S R16E 0565 FNL 0661 FWL
	BHL	Sec 18 T09S R16E 0481 FNL 0020 FEL
43-013-52671	GMBU 126-8-9-17	Sec 08 T09S R17E 0621 FSL 1989 FEL
	BHL	Sec 08 T09S R17E 1307 FSL 1958 FEL
43-013-52672	GMBU 112-8-9-16	Sec 08 T09S R16E 1002 FNL 0778 FWL
	BHL	Sec 08 T09S R16E 1647 FNL 0714 FWL
43-013-52673	GMBU 119-4-9-16	Sec 04 T09S R16E 2011 FNL 1953 FWL
	BHL	Sec 04 T09S R16E 2444 FSL 1934 FWL

RECEIVED: November 19, 2013

API #	WELL NAME	LOCATION
Proposed PZ GREEN RIVER)		
43-013-52674	GMBU 123-8-9-17	Sec 08 T09S R17E 1916 FSL 0716 FEL
	BHL	Sec 08 T09S R17E 1906 FSL 1421 FEL
43-013-52675	GMBU 126-5-9-16	Sec 05 T09S R16E 1754 FSL 2024 FEL
	BHL	Sec 05 T09S R16E 1048 FSL 2035 FEL
43-013-52676	GMBU 118-8-9-17	Sec 08 T09S R17E 1973 FNL 1960 FEL
	BHL	Sec 08 T09S R17E 2560 FSL 1978 FEL
43-013-52677	GMBU 118-5-9-16	Sec 05 T09S R16E 1775 FSL 2024 FEL
	BHL	Sec 05 T09S R16E 2601 FNL 1786 FEL
43-013-52678	GMBU 101-8-9-17	Sec 05 T09S R17E 0550 FSL 0697 FEL
	BHL	Sec 08 T09S R17E 0338 FNL 0715 FEL
43-013-52679	GMBU 132-5-9-17	Sec 05 T09S R17E 0545 FSL 0676 FEL
	BHL	Sec 04 T09S R17E 0596 FSL 0073 FWL
43-013-52680	GMBU 110-10-9-16	Sec 10 T09S R16E 0677 FNL 2005 FEL
	BHL	Sec 10 T09S R16E 1439 FNL 1966 FEL
43-013-52681	GMBU 102-8-9-16	Sec 08 T09S R16E 0541 FNL 2107 FEL
	BHL	Sec 05 T09S R16E 0119 FSL 1687 FEL
43-013-52686	GMBU Q-26-8-16	Sec 26 T08S R16E 0653 FSL 0685 FWL
	BHL	Sec 26 T08S R16E 1320 FSL 1320 FWL
43-047-54188	GMBU D-1-9-17	Sec 36 T08S R17E 0632 FSL 1967 FWL
	BHL	Sec 01 T09S R17E 0331 FNL 1182 FWL
43-047-54189	GMBU Q-31-8-18	Sec 31 T08S R18E 2198 FSL 0508 FWL
	BHL	Sec 31 T08S R18E 1118 FSL 1483 FWL
43-047-54191	GMBU E-1-9-17	Sec 35 T08S R17E 0710 FSL 0663 FEL
	BHL	Sec 01 T09S R17E 0267 FNL 0251 FWL
43-047-54202	GMBU C-1-9-17	Sec 36 T08S R17E 0647 FSL 1983 FWL
	BHL	Sec 01 T09S R17E 0216 FNL 2504 FEL

This office has no objection to permitting the wells at this time.

Michael Coulthard

Digitally signed by Michael Coulthard
 DN: cn=Michael Coulthard, o=Bureau of Land Management,
 ou=Division of Minerals, email=mcoultha@blm.gov, c=US
 Date: 2013.11.18 10:01:01 -0700

bcc: File - Greater Monument Butte Unit
 Division of Oil Gas and Mining
 Central Files
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:11-18-13

RECEIVED: November 19, 2013

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU N-21-8-17
API Number 43013526610000 **APD No** 9024 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENW **Sec** 21 **Tw** 8.0S **Rng** 17.0E 2182 FNL 2178 FWL
GPS Coord (UTM) 584113 4439851 **Surface Owner** Jeremy and Jennifer Price

Participants

Corie Miller - NFX

Regional/Local Setting & Topography

This location is one of two new wells proposed on an existing pad

Host well is the M-16-8-17

Location sits just north of the tower road in Pleasant Valley. Surface owner, Price family, keeps cattle in a fenced pasture area surrounding the well. Previous conversations lead me to believe that the pad is supposed to be fenced for the protection of the cattle. I have on occasion visited with Shon Mc Kinnon - NFX about this error where I was assured that a fence would soon be constructed. Most of the existing pad looks to have been reclaimed and feed for the cattle have grown back in. It looks like the surface will need to once again be disturbed for drilling of the new wells. Perhaps the fencing and a berm will be in order upon completion

Surface Use Plan

Current Surface Use

Agricultural

Existing Well Pad

**New Road
Miles**

0

Well Pad

Width 200 Length 300

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

developed cultivated cattle pasture

Soil Type and Characteristics

cultivated soils

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y**Berm Required? Y****Erosion Sedimentation Control Required? N****Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N****Reserve Pit**

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		50 1 Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y**Other Observations / Comments**

Brad
New well on existing location

Chris Jensen
Evaluator

11/19/2013
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9024	43013526610000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Jeremy and Jennifer Price	
Well Name	GMBU N-21-8-17		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SENW 21 8S 17E S 2182 FNL (UTM) 584116E 4439844N		2178 FWL	GPS Coord	

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for reviewing and approving the proposed drilling, casing and cement programs.

Brad Hill
APD Evaluator

12/10/2013
Date / Time

Surface Statement of Basis

Location is proposed in a good location inside a cattle pasture. Access road enters the pad from the South off of Tower road. The landowner and its representative was not in attendance for the pre-site inspection.

The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Plans lack measures for importing materials, using a geogrid or compacting native soils to improve stability. Deep fill slopes are planned under areas planned to support a bank of storage tanks, a reserve pit or the drilling rig. Operator has not submitted plans for the protection of slopes. Corner A of the reserve pit is planned in 4 feet of fill. For this reason I have asked for a felt subliner.

I quickly recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area can be found adjacent the site to the East. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. Fencing to keep cattle away mfrom machinery will be needed

Chris Jensen
Onsite Evaluator

11/19/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/7/2013

API NO. ASSIGNED: 43013526610000

WELL NAME: GMBU N-21-8-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4936

CONTACT: Heather Calder

PROPOSED LOCATION: SENW 21 080S 170E

Permit Tech Review: ☒

SURFACE: 2182 FNL 2178 FWL

Engineering Review: ☐

BOTTOM: 2463 FSL 1122 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.10470

LONGITUDE: -110.01307

UTM SURF EASTINGS: 584116.00

NORTHINGS: 4439844.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76954

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000493☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 437478☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: GMBU (GRRV)

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
5 - Statement of Basis - bhill
15 - Directional - dmason
27 - Other - bhill

RECEIVED: December 10, 2013



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU N-21-8-17
API Well Number: 43013526610000
Lease Number: UTU-76954
Surface Owner: FEE (PRIVATE)
Approval Date: 12/10/2013

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the

following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 14 2013

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU76954
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD EXPLORATION		7. If Unit or CA Agreement, Name and No. GMBU
Contact: HEATHER CALDER E-Mail: hcalder@newfield.com		8. Lease Name and Well No. GMBU N-21-8-17
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-3031	9. API Well No. 4301352661
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 2182FNL 2178FWL At proposed prod. zone NWSW 2463FSL 1122FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T8S R17E Mer SLB		12. County or Parish DUCHESNE
13. State UT		14. Distance in miles and direction from nearest town or post office* 10.7 MILES SOUTH OF MYTON, UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1122'	16. No. of Acres in Lease 1561.00	17. Spacing Unit dedicated to this well 20.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1141'	19. Proposed Depth 6597 MD 6460 TVD	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5226 GL	22. Approximate date work will start 04/01/2014	23. Estimated duration 7 DAYS

24. Attachments

DIV. OF OIL, GAS & MINING

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER CALDER Ph: 435-646-4936	Date 11/12/2013
Title REGULATORY TECHNICIAN		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date MAY 22 2014
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #226272 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE BUHLER on 11/15/2013 ()

NOTICE OF APPROVAL

UDOGM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

LBB 2484AE

NWS 11-1-12

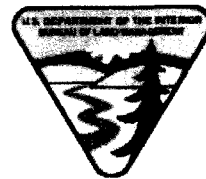


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU N-21-8-17
API No: 43-013-52661

Location: SENW, Sec. 21, T8S, R17E
Lease No: UTU-76954
Agreement:

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm ut vn opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STIPULATIONS / CONDITIONS OF APPROVAL

Company/Operator: Newfield Production Company
Well Name & Number: GMBU M-21-8-17 and N-21-8-17
Host Location: 6-21-8-17

For protection of T&E Fish if drawing water from the Green River

1. The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a service approved location is best.
2. If the pump head is located in the river channel the following stipulations apply:
 - a. Do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes.
 - b. Limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 1).
 - c. Limit the amount of pumping, to the greatest extent possible, during the midnight hours (10pm to 2 am), as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
3. Screen all pump intakes with 3/32" mesh material.
4. Approach velocities for intake structures should follow the National Marine Fisheries Service's document "fish screening criteria for anadromous salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity should not exceed 0.33 feet per second (ft/s).

5. Report any fish impinged on the intake screen or entrained into irrigation canals to the service (801.975.3330) or the Utah Division of Wildlife Resources:

Northeastern Region
318 N. Vernal Ave., Vernal, UT 84078
Phone: (435)781-9453

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.
- Green completions will be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: GMBU N-21-8-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013526610000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2182 FNL 2178 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 21 Township: 08.0S Range: 17.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH

11.


CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/10/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the
November 10, 2014
Oil, Gas and Mining

Date: _____
By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 11/5/2014



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013526610000

API: 43013526610000

Well Name: GMBU N-21-8-17

Location: 2182 FNL 2178 FWL QTR SENW SEC 21 TWP 080S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/10/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Mandie Crozier

Date: 11/5/2014

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954
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PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 12/8/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 12/8/14 Drill and set 17' of 14" conductor. Drill f/17' to 331' KB of 12 1/4" hole. P/U and run 7 joints of 8 5/8" 24# J-55 casing set depth 320'KB. On 12/9/14 Cement w/Halliburton; 155 sx of 15.8# 1.19 yield G Neat cement. Returned 8 bbl to surface and bumped plug to 556 psi.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 15, 2014		
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 12/15/2014	

NEWFIELD**Casing****Conductor**

Legal Well Name GMBU N-21-8-17				Wellbore Name Original Hole					
API/UWI 43013526610000		Surface Legal Location SENW 2182 FNL 2178 FWL Sec 21 T8S R17E		Field Name GMBU CTB7		Well Type Development		Well Configuration Type Slant	
Well RC 500376455		County Duchesne		State/Province Utah		Spud Date		Final Rig Release Date	

Wellbore								
Wellbore Name Original Hole				Kick Off Depth (ftKB)				
Section Des		Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date		End Date	
Conductor		14	11	28	12/8/2014		12/8/2014	

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing							
Casing Description Conductor		Set Depth (ftKB) 28		Run Date 12/8/2014		Set Tension (kips)	
Centralizers				Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40	Welded	1	17.00	11.0	28.0			

Jewelry Details										
External Casing Packer										
Type	Setting Requirement			Release Requirements			Inflation Method		Vol Inflation (gal)	Equiv Hole Sz (in)
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)			

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger						
Retrievable?	Elastomer Type	Element Center Depth (ft)		Polish Bore Size (in)		Polish Bore Length (ft)
Slip Description				Set Mechanics		
Setting Procedure						
Unsetting Procedure						

NEWFIELD**Casing****Surface**

Legal Well Name GMBU N-21-8-17		Wellbore Name Original Hole	
API/UWI 43013526610000	Surface Legal Location SENW 2182 FNL 2178 FWL Sec 21 T8S R17E	Field Name GMBU CTB7	Well Type Development
Well RC 500376455	County Duchesne	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	28	12/8/2014	12/8/2014
Vertical	12 1/4	28	331	12/8/2014	12/8/2014

Wellhead			
Type	Install Date	Service	Comment

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing			
Casing Description Surface	Set Depth (ftKB) 320	Run Date 12/8/2014	Set Tension (kips)
Centralizers 3	Scratchers		

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.20	11.2	13.4			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	41.65	13.4	55.1			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	219.56	55.1	274.6			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	274.6	275.6			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	42.89	275.6	318.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	318.5	320.0			

Jewelry Details									
External Casing Packer									
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)		
Inflation Fluid Type	Infl FI Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)		

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger				
Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)
Slip Description			Set Mechanics	

Setting Procedure				
Unsetting Procedure				

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223

Well Name/Number GMBU N-21-8-17

Qtr/Qtr SE/NW Section 21 Township 8S Range 17E

Lease Serial Number UTU-76954

API Number 43-013-52661

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 12/8/14 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 12/8/14 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU N-21-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2182 FNL 2178 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 21 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013526610000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/20/2015	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above well was placed on production on 01/20/2015 at 18:00 hours. Production Start sundry re-sent on 02/26/2015 due to not being found in UDOGM well file.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 02, 2015		
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 2/27/2015	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____										6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. UTU87538X																			
2. Name of Operator NEWFIELD PRODUCTION COMPANY										8. Lease Name and Well No. GMBU N-21-8-17																			
3. Address ROUTE #3 BOX 3630 MYTON, UT 84052										3a. Phone No. (Include area code) Ph:435-646-3721																			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2182' FNL 2178' FWL (SE/NW) SEC 21 T8S R17E (UTU-76954) At top prod. interval reported below 2638' FNL 1462' FWL (SE/NW) SEC 21 T8S R17E (UTU-76954) At total depth 2441' FSL 1097' FWL (NW/SW) SEC 21 T8S R17E (UTU-76954)																				10. Field and Pool or Exploratory MONUMENT BUTTE									
11. Sec., T., R., M., on Block and Survey or Area SEC 21 T8S R17E Mer SLB																				12. County or Parish DUCHESNE									
13. State UT																				17. Elevations (DF, RKB, RT, GL)* 5226' GL 5237' KB									
14. Date Spudded 12/08/2014										15. Date T.D. Reached 12/23/2014																			
16. Date Completed 01/16/2015 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										18. Total Depth: MD 6777' TVD 1274'																			
19. Plug Back T.D.: MD 6720' TVD										20. Depth Bridge Plug Set: MD TVD																			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)																			
23. Casing and Liner Record (Report all strings set in well)																													
Hole Size		Size/Grade		Wt. (#/ft.)		Top (MD)		Bottom (MD)		Stage Cementer Depth		No. of Sk. & Type of Cement		Slurry Vol. (BBL)		Cement Top*		Amount Pulled											
12-1/4"		8-5/8" J-55		24		0'		320'				155 CLASS G																	
7-7/8"		5-1/2" J-55		15.50		0'		6762'				310 Econocem				0'													
												470Expandacem																	
24. Tubing Record																													
Size		Depth Set (MD)		Packer Depth (MD)		Size		Depth Set (MD)		Packer Depth (MD)		Size		Depth Set (MD)		Packer Depth (MD)													
2-7/8"		EOT@6597'		TA@6439'																									
25. Producing Intervals																													
Formation				Top		Bottom		Perforated Interval				Size		No. Holes		Perf. Status													
A) Green River				4847'		6460'		4847' - 6460' MD				0.34		62															
B)																													
C)																													
D)																													
27. Acid, Fracture, Treatment, Cement Squeeze, etc.																													
Depth Interval				Amount and Type of Material																									
4847' - 6460' MD				Frac w/ 355,290#s of 20/40 white sand in 3,561 bbls of Lightning 17 fluid, in 4 stages.																									
28. Production - Interval A																													
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method																				
1/20/15	1/30/15	24	→	71	42	43			2.5 X 1.75 X 20 X 20 X 20 RHAC																				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status																					
			→					PRODUCING																					
28a. Production - Interval B																													
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method																				
			→																										
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status																					
			→																										

*(See instructions and spaces for additional data on page 2)

RECEIVED: Feb. 17, 2015

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK GARDEN GULCH 1	4312' 4511'
				GARDEN GULCH 2 POINT 3	4630' 4929'
				X MRKR Y MRKR	5164' 5200'
				DOUGLAS CREEK MRK BI CARBONATE MRK	5337' 5607'
				B LIMESTONE MRK CASTLE PEAK	5752' 6205'
				BASAL CARBONATE WASATCH	6629' 6753'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☒ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Heather Calder

Title Regulatory Technician

Signature

Date 02/11/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 21 T8S, R17E
N-21-8-17
Wellbore #1**

Design: Actual

End of Well Report

22 December, 2014





Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Project:	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site:	SECTION 21 T8S, R17E		
Site Position:		Northing:	7,210,000.00 usft
From:	Lat/Long	Easting:	2,055,000.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 6' 13.990 N
		Longitude:	110° 1' 3.925 W
		Grid Convergence:	0.95 °

Well		N-21-8-17, SHL: 40 06 17.11 -110 00 47.15				
Well Position	+N-S	0.0 usft	Northing:	7,210,337.25 usft	Latitude:	40° 6' 17.110 N
	+E-W	0.0 usft	Easting:	2,056,297.93 usft	Longitude:	110° 0' 47.150 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	5,237.0 usft	Ground Level:	5,226.0 usft

Wellbore:	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/16/2014	10.85	65.76	51,966

Design:	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	238.06

Survey Program	Date	12/22/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
378.0	6,777.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
378.0	0.35	235.21	378.0	1.2	-0.7	-0.9	0.09	0.09	0.00	
409.0	0.44	219.06	409.0	1.4	-0.8	-1.1	0.46	0.29	-52.10	
439.0	0.57	214.36	439.0	1.6	-1.0	-1.3	0.45	0.43	-15.67	
470.0	0.92	232.47	470.0	2.0	-1.3	-1.5	1.35	1.13	58.42	
501.0	1.05	231.81	501.0	2.5	-1.6	-2.0	0.42	0.42	-2.13	
532.0	1.54	236.29	532.0	3.2	-2.0	-2.5	1.61	1.58	14.45	
562.0	1.85	239.32	562.0	4.1	-2.5	-3.3	1.08	1.03	10.10	
593.0	1.85	235.41	593.0	5.1	-3.0	-4.1	0.41	0.00	-12.61	
624.0	2.11	228.51	623.9	6.2	-3.7	-5.0	1.14	0.84	-22.26	
654.0	2.42	229.04	653.9	7.3	-4.5	-5.9	1.04	1.03	1.77	
685.0	2.59	231.41	684.9	8.7	-5.4	-6.9	0.64	0.55	7.65	
716.0	2.59	236.16	715.8	10.1	-6.2	-8.0	0.69	0.00	15.32	
747.0	2.86	238.05	746.8	11.6	-7.0	-9.3	0.92	0.87	6.10	
777.0	3.38	238.35	776.8	13.2	-7.8	-10.7	1.73	1.73	1.00	
808.0	3.47	243.32	807.7	15.0	-8.7	-12.3	1.00	0.29	16.03	
839.0	3.35	241.99	838.7	16.9	-9.6	-13.9	0.46	-0.39	-4.29	
870.0	3.55	241.01	869.6	18.7	-10.5	-15.5	0.67	0.65	-3.16	
900.0	3.71	243.31	899.5	20.6	-11.4	-17.2	0.72	0.53	7.67	
931.0	3.82	239.72	930.5	22.7	-12.3	-19.0	0.84	0.35	-11.58	
962.0	4.09	239.50	961.4	24.8	-13.4	-20.9	0.87	0.87	-0.71	
993.0	4.57	242.05	992.3	27.1	-14.6	-22.9	1.67	1.55	8.23	
1,023.0	4.88	242.53	1,022.2	29.6	-15.7	-25.1	1.04	1.03	1.60	
1,054.0	5.27	240.99	1,053.1	32.3	-17.0	-27.5	1.33	1.26	-4.97	
1,100.0	5.58	242.62	1,098.9	36.7	-19.1	-31.3	0.75	0.67	3.54	
1,146.0	5.98	242.00	1,144.6	41.3	-21.2	-35.4	0.88	0.87	-1.35	
1,192.0	6.81	240.99	1,190.4	46.4	-23.7	-39.9	1.82	1.80	-2.20	



Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
1,237.0	7.12	241.39	1,235.0	51.9	-26.3	-44.7	0.70	0.69	0.89	
1,283.0	7.57	240.70	1,280.7	57.7	-29.1	-49.9	1.00	0.98	-1.50	
1,329.0	7.95	238.49	1,326.2	63.9	-32.3	-55.2	1.05	0.83	-4.80	
1,375.0	8.44	237.96	1,371.8	70.5	-35.7	-60.8	1.08	1.07	-1.15	
1,421.0	8.79	237.52	1,417.2	77.4	-39.4	-66.6	0.77	0.76	-0.96	
1,465.0	9.10	239.59	1,460.7	84.2	-43.0	-72.5	1.02	0.70	4.70	
1,510.0	9.71	239.67	1,505.1	91.6	-46.7	-78.8	1.36	1.36	0.18	
1,556.0	10.15	240.07	1,550.4	99.5	-50.7	-85.7	0.97	0.96	0.87	
1,602.0	10.59	242.13	1,595.7	107.8	-54.7	-92.9	1.25	0.96	4.48	
1,648.0	11.03	243.23	1,640.8	116.4	-58.6	-100.6	1.06	0.96	2.39	
1,692.0	11.98	244.93	1,684.0	125.1	-62.5	-108.5	2.29	2.16	3.86	
1,735.0	12.22	243.67	1,726.0	134.1	-66.4	-116.6	0.83	0.56	-2.93	
1,781.0	12.44	241.08	1,770.9	143.8	-70.9	-125.3	1.29	0.48	-5.63	
1,827.0	12.92	240.29	1,815.8	153.9	-75.9	-134.1	1.11	1.04	-1.72	
1,873.0	13.05	239.94	1,860.6	164.3	-81.0	-143.1	0.33	0.28	-0.76	
1,919.0	13.84	238.66	1,905.4	175.0	-86.5	-152.3	1.84	1.72	-2.78	
1,964.0	13.91	237.13	1,949.1	185.7	-92.2	-161.4	0.83	0.16	-3.40	
2,010.0	13.84	234.00	1,993.7	198.8	-98.5	-170.5	1.64	-0.15	-6.80	
2,056.0	13.23	232.03	2,038.5	207.5	-104.9	-179.1	1.66	-1.33	-4.28	
2,102.0	12.66	231.10	2,083.3	217.7	-111.3	-187.2	1.32	-1.24	-2.02	
2,147.0	11.91	230.88	2,127.3	227.2	-117.4	-194.6	1.67	-1.67	-0.49	
2,193.0	11.10	231.94	2,172.3	236.3	-123.1	-201.8	1.82	-1.76	2.30	
2,239.0	10.85	233.56	2,217.5	245.1	-128.4	-208.7	0.86	-0.54	3.52	
2,285.0	10.50	232.42	2,262.7	253.5	-133.5	-215.5	0.89	-0.76	-2.48	
2,331.0	9.89	229.30	2,308.0	261.6	-138.6	-221.9	1.79	-1.33	-6.78	
2,377.0	9.86	228.89	2,353.3	269.4	-143.8	-227.8	0.17	-0.07	-0.89	
2,422.0	10.11	226.18	2,397.6	277.1	-149.1	-233.6	1.18	0.56	-6.02	



Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Mylon SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,468.0	10.37	228.60	2,442.9	285.1	-154.6	-239.6	1.09	0.57	5.26
2,514.0	10.59	228.29	2,488.1	293.4	-160.2	-245.9	0.49	0.48	-0.67
2,560.0	10.85	226.49	2,533.3	301.8	-166.0	-252.2	0.92	0.57	-3.91
2,606.0	11.16	224.34	2,578.5	310.3	-172.1	-258.4	1.12	0.67	-4.67
2,651.0	11.51	221.96	2,622.6	318.9	-178.6	-264.5	1.30	0.78	-5.29
2,697.0	12.04	222.45	2,667.6	327.9	-185.5	-270.8	1.17	1.15	1.07
2,743.0	12.57	220.95	2,712.6	337.3	-192.8	-277.3	1.35	1.15	-3.26
2,787.0	12.70	218.49	2,755.5	346.5	-200.2	-283.4	1.26	0.30	-5.59
2,833.0	12.74	217.74	2,800.4	356.0	-208.2	-289.7	0.37	0.09	-1.63
2,877.0	13.14	221.17	2,843.2	365.3	-215.8	-295.9	1.97	0.91	7.80
2,922.0	13.54	221.30	2,887.0	375.2	-223.6	-302.8	0.89	0.89	0.29
2,968.0	14.02	226.34	2,931.7	385.9	-231.5	-310.4	2.81	1.04	10.96
3,012.0	14.33	229.48	2,974.4	396.5	-238.7	-318.4	1.88	0.70	7.14
3,056.0	14.90	234.49	3,016.9	407.5	-245.6	-327.1	3.15	1.30	11.39
3,102.0	16.22	238.14	3,061.3	419.8	-252.4	-337.4	3.57	2.87	7.93
3,148.0	16.83	241.30	3,105.4	432.9	-259.0	-348.7	2.36	1.33	6.87
3,193.0	16.32	242.09	3,148.5	445.7	-265.1	-360.0	1.24	-1.13	1.76
3,237.0	14.90	240.99	3,190.9	457.5	-270.7	-370.4	3.30	-3.23	-2.50
3,281.0	13.62	241.04	3,233.5	468.3	-276.0	-379.9	2.91	-2.91	0.11
3,327.0	13.23	239.45	3,278.3	479.0	-281.3	-389.1	1.17	-0.85	-3.46
3,373.0	13.67	240.07	3,323.0	489.7	-286.6	-398.4	1.01	0.96	1.35
3,419.0	14.06	243.32	3,367.6	500.7	-291.9	-408.1	1.89	0.85	7.07
3,464.0	14.46	247.54	3,411.3	511.7	-296.5	-418.2	2.47	0.89	9.38
3,510.0	14.11	250.97	3,455.8	522.8	-300.5	-428.8	1.99	-0.76	7.46
3,556.0	14.77	251.67	3,500.4	534.0	-304.2	-439.6	1.48	1.43	1.52
3,602.0	15.64	252.29	3,544.8	545.7	-307.9	-451.1	1.92	1.89	1.35
3,647.0	14.99	251.45	3,588.2	557.2	-311.6	-462.4	1.53	-1.44	-1.87

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End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
3,693.0	13.58	248.64	3,632.8	568.3	-315.4	-473.1	3.41	-3.07	-6.11	
3,739.0	13.75	246.05	3,677.5	579.1	-319.6	-483.1	1.38	0.37	-5.63	
3,785.0	14.33	244.99	3,722.1	590.1	-324.3	-493.3	1.38	1.26	-2.30	
3,831.0	14.81	244.99	3,766.6	601.6	-329.1	-503.7	1.04	1.04	0.00	
3,876.0	14.67	243.22	3,810.1	613.0	-334.1	-514.0	1.05	-0.31	-3.93	
3,922.0	14.28	240.96	3,854.7	624.5	-339.5	-524.2	1.49	-0.85	-4.91	
3,968.0	14.09	238.83	3,899.3	635.7	-345.2	-534.0	1.21	-0.41	-4.63	
4,014.0	14.06	236.86	3,943.9	646.9	-351.1	-543.4	1.04	-0.07	-4.28	
4,058.0	14.41	235.45	3,986.5	657.7	-357.2	-552.4	1.12	0.80	-3.20	
4,103.0	15.21	236.77	4,030.0	669.2	-363.6	-562.0	1.93	1.78	2.93	
4,147.0	15.84	237.77	4,072.4	681.0	-369.9	-571.9	1.56	1.43	2.27	
4,191.0	15.91	236.64	4,114.7	693.0	-376.5	-582.0	0.72	0.16	-2.57	
4,237.0	15.60	237.12	4,159.0	705.5	-383.3	-592.4	0.73	-0.67	1.04	
4,283.0	15.12	237.65	4,203.4	717.7	-389.8	-602.7	1.09	-1.04	1.15	
4,329.0	14.68	237.56	4,247.8	729.5	-396.2	-612.7	0.96	-0.96	-0.20	
4,374.0	14.33	237.04	4,291.4	740.8	-402.3	-622.2	0.83	-0.78	-1.16	
4,420.0	14.19	238.27	4,336.0	752.1	-408.3	-631.8	0.73	-0.30	2.67	
4,464.0	13.97	239.45	4,378.7	762.8	-413.9	-640.9	0.82	-0.50	2.68	
4,510.0	13.75	241.26	4,423.3	773.8	-419.3	-650.5	1.06	-0.48	3.93	
4,556.0	14.11	242.73	4,468.0	784.9	-424.5	-660.3	1.10	0.78	3.20	
4,602.0	14.46	242.88	4,512.5	796.2	-429.7	-670.4	0.77	0.76	0.33	
4,648.0	14.19	242.79	4,557.1	807.5	-434.9	-680.5	0.59	-0.59	-0.20	
4,694.0	13.54	240.46	4,601.8	818.5	-440.1	-690.2	1.86	-1.41	-5.07	
4,739.0	13.05	238.05	4,645.6	828.9	-445.4	-699.1	1.64	-1.09	-5.36	
4,785.0	12.74	237.34	4,690.4	839.1	-450.9	-707.8	0.76	-0.67	-1.54	
4,829.0	12.39	235.76	4,733.4	848.7	-456.2	-715.7	1.11	-0.80	-3.59	
4,875.0	13.23	237.26	4,778.2	858.9	-461.8	-724.3	1.96	1.83	3.26	

NEWFIELD

Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
4,920.0	14.06	235.50	4,821.9	869.5	-467.7	-733.1	2.06	1.84	-3.91	
4,966.0	13.89	234.97	4,866.6	880.6	-474.0	-742.2	0.46	-0.37	-1.15	
5,012.0	13.14	233.46	4,911.3	891.3	-480.3	-750.9	1.80	-1.63	-3.28	
5,055.0	12.51	234.82	4,953.2	900.9	-485.9	-758.7	1.62	-1.47	3.16	
5,101.0	12.74	236.07	4,998.1	910.9	-491.6	-767.0	0.78	0.50	2.72	
5,147.0	12.44	237.04	5,043.0	920.9	-497.1	-775.3	0.80	-0.65	2.11	
5,193.0	12.74	239.15	5,087.9	931.0	-502.4	-783.8	1.19	0.65	4.59	
5,239.0	12.71	239.04	5,132.8	941.1	-507.6	-792.5	0.08	-0.07	-0.24	
5,284.0	12.61	238.88	5,176.7	950.9	-512.7	-801.0	0.24	-0.22	-0.36	
5,330.0	13.01	240.77	5,221.5	961.1	-517.8	-809.8	1.26	0.87	4.11	
5,376.0	13.18	241.39	5,266.3	971.5	-522.9	-818.9	0.48	0.37	1.35	
5,422.0	12.96	242.05	5,311.1	981.9	-527.8	-828.1	0.58	-0.48	1.43	
5,466.0	12.56	243.75	5,354.1	991.6	-532.2	-836.7	1.25	-0.91	3.86	
5,511.0	12.88	243.58	5,398.0	1,001.5	-536.6	-845.6	0.72	0.71	-0.38	
5,557.0	12.74	241.91	5,442.8	1,011.6	-541.3	-854.7	0.86	-0.30	-3.63	
5,601.0	12.57	243.41	5,485.7	1,021.2	-545.7	-863.2	0.84	-0.39	3.41	
5,647.0	12.48	241.65	5,530.6	1,031.2	-550.3	-872.1	0.85	-0.20	-3.83	
5,693.0	12.16	239.68	5,575.6	1,041.0	-555.1	-880.6	1.15	-0.70	-4.28	
5,736.0	12.41	239.34	5,617.6	1,050.1	-559.8	-888.5	0.61	0.58	-0.79	
5,782.0	12.61	237.92	5,662.5	1,060.1	-565.0	-897.0	0.80	0.43	-3.09	
5,826.0	12.75	237.01	5,705.4	1,069.8	-570.2	-905.2	0.55	0.32	-2.07	
5,870.0	12.46	237.94	5,748.4	1,079.4	-575.3	-913.3	0.80	-0.66	2.11	
5,915.0	12.43	236.37	5,792.3	1,089.1	-580.6	-921.4	0.75	-0.07	-3.49	
5,961.0	12.30	236.51	5,837.3	1,098.9	-586.0	-929.6	0.29	-0.28	0.30	
6,005.0	12.74	241.69	5,880.2	1,108.4	-590.9	-937.8	2.74	1.00	11.77	
6,051.0	13.40	244.73	5,925.0	1,118.8	-595.6	-947.1	2.07	1.43	6.61	
6,097.0	13.05	243.36	5,969.8	1,129.2	-600.2	-956.5	1.02	-0.76	-2.98	

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COMPASS 5000.1 Build 70

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End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well N-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	N-21-8-17 @ 5237.0usft (SS # 1)
Well:	N-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,142.0	13.14	244.73	6,013.6	1,139.4	-604.7	-965.7	0.72	0.20	3.04
6,186.0	12.96	242.40	6,056.5	1,149.3	-609.1	-974.6	1.26	-0.41	-5.30
6,232.0	12.72	242.10	6,101.3	1,159.5	-613.8	-983.7	0.54	-0.52	-0.65
6,278.0	13.58	242.97	6,146.1	1,169.9	-618.7	-992.9	1.92	1.87	1.89
6,323.0	13.58	242.71	6,189.9	1,180.4	-623.5	-1,002.3	0.14	0.00	-0.58
6,369.0	13.58	240.86	6,234.6	1,191.2	-628.6	-1,011.9	0.94	0.00	-4.02
6,413.0	13.89	242.09	6,277.3	1,201.6	-633.6	-1,021.0	0.97	0.70	2.80
6,459.0	13.32	241.17	6,322.0	1,212.4	-638.7	-1,030.6	1.33	-1.24	-2.00
6,505.0	12.48	239.28	6,366.9	1,222.7	-643.8	-1,039.5	2.04	-1.83	-4.11
6,548.0	12.04	237.34	6,408.9	1,231.8	-648.6	-1,047.2	1.40	-1.02	-4.51
6,594.0	11.38	234.05	6,453.9	1,241.2	-653.9	-1,055.0	2.04	-1.43	-7.15
6,640.0	10.77	232.91	6,499.1	1,250.0	-659.1	-1,062.1	1.41	-1.33	-2.48
6,684.0	10.28	231.81	6,542.3	1,258.0	-664.0	-1,068.4	1.20	-1.11	-2.50
6,721.0	10.20	232.16	6,578.8	1,264.5	-668.1	-1,073.6	0.27	-0.22	0.95
6,777.0	10.20	232.16	6,633.9	1,274.4	-674.2	-1,081.4	0.00	0.00	0.00

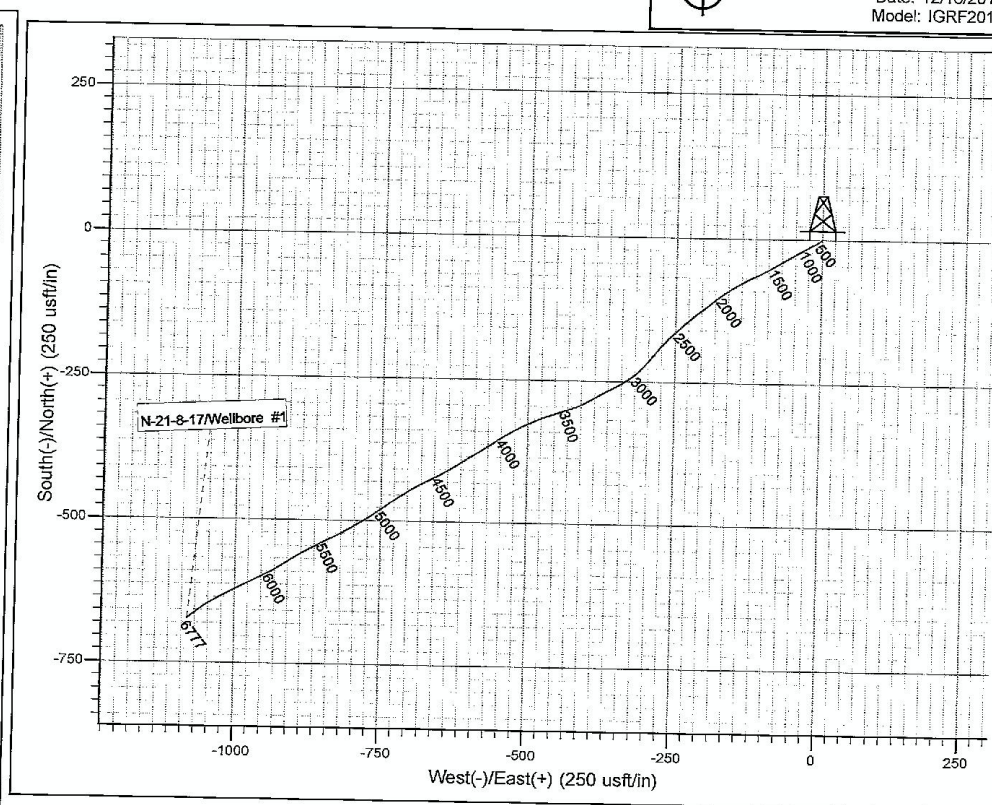
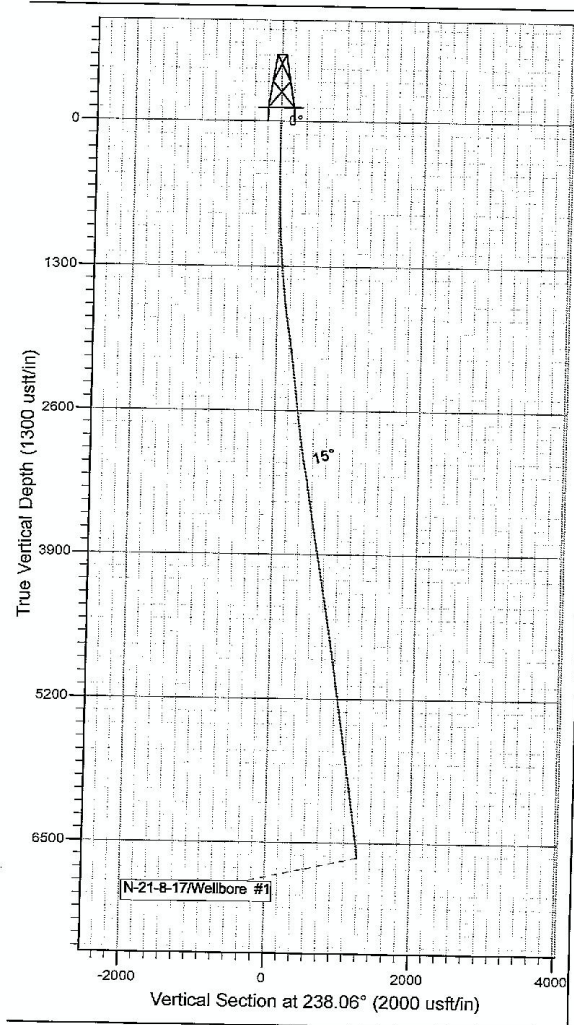
Checked By: _____ Approved By: _____ Date: _____

Project: USGS Mton SW 1/4
 Site: SECTION 21 T8S, R17E
 Well: N-21-8-17
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 10.85°

Magnetic Field
 Strength: 51965.8nT
 Dip Angle: 65.76°
 Date: 12/16/2014
 Model: IGRF2010



Design: Actual (N-21-8-17/Wellbore #1)

Created By: Matthew Linton

Date: 10:59, December 22

THIS SURVEY IS CORRECT TO THE BEST OF
 MY KNOWLEDGE AND IS SUPPORTED
 BY ACTUAL FIELD DATA

NEWFIELD



Summary Rig Activity

Well Name: GMBU N-21-8-17

Job Category	Job Start Date	Job End Date

Daily Operations				
Report Start Date 1/9/2015	Report End Date 1/10/2015	24hr Activity Summary Ran CBL. Pressure test BOPs & csg. Perforate 1st stg.		
Start Time	End Time	Start Time	End Time	Comment
06:00	08:00			NU 5K blind rams & FMC 5K frac valve.
08:00	11:00			Ran CBL from 6630' to surface under 0 psi. TOC @ surface.
11:00	13:00			Pressure test csg to 4300 psi for 30 min. Pressure test each component of the well control stack to 4500 psi for 10 min & low test of 250-300 psi for 5 min.
13:00	14:00			Perforate 1st stage CP4 sds @ 6456-60', CP3 sds @ 6402-04', 6375-77', CP2 sds @ 6310-11', CP1 sds @ 6272-74' w/ 2 SPF @ 180 deg phasing w/16 gram shaped charge w/ .34" EH & 21.00" pen.
14:00	00:00			SDFN.
Report Start Date 1/12/2015	Report End Date 1/13/2015	24hr Activity Summary Frac 4 stages and flowback		
Start Time	End Time	Start Time	End Time	Comment
00:00	06:00			SDFN
06:00	10:00			RU HES frac equipment
10:00	10:30			Held safety meeting w/ frac & WL crews. Pressure test frac iron.
10:30	11:30			Frac stage 1
11:30	12:30			Set CFTP and perf stg 2
12:30	13:15			frac stg 2
13:15	14:00			Set CFTP and perf stg 3
14:00	15:00			Frac stg 3
15:00	17:15			Flowback screen out
17:15	18:15			Perforate stg4
18:15	19:00			Frac stg 4
19:00	00:00			Flowback well @ approx 3 bpm.
Report Start Date 1/13/2015	Report End Date 1/14/2015	24hr Activity Summary Set kill plug		
Start Time	End Time	Start Time	End Time	Comment
00:00	18:00			SDFN
18:00	19:00			Set kill plug @ 4740'
19:00	00:00			SDFN
Report Start Date 1/14/2015	Report End Date 1/15/2015	24hr Activity Summary MIRUSU. PU tbg & drill out first two plugs		

NEWFIELD



Summary Rig Activity

Well Name: GMBU N-21-8-17

Start Time	00:00	End Time	06:00	Comment	SDFN
Start Time	06:00	End Time	07:00	Comment	Crew travel
Start Time	07:00	End Time	10:00	Comment	MOVE RIG & EQUIPMENT FROM FENCELINE TO LOCATION, S/I RIG, N/D FRAC VALVE, N/U BOP'S, R/U, STRETCH GUY LINES, R/U WORKFLOOR & TBG EQUIP, S/I PIPE RACKS & UNLOAD TBG.
Start Time	10:00	End Time	13:00	Comment	S/I PUMP & TANK, M/U HARDLINE, PREP & TALLY TBG, R/U RBS & TEST BOP'S.
Start Time	13:00	End Time	15:00	Comment	P/U, M/U, & RIH W/ BIT, BIT SUB, 1-JNT 2 7/8" J-55 TBG, S/N, 143-JNTS 2 7/8" J-55 TBG & TAG KP.
Start Time	15:00	End Time	17:00	Comment	STAB WASH RUBBER, SIRU SWIVEL, & D/O KP 15' OUT ON JNT 144 @4740' (17 MINS TO DRILL PLUG, NO FILL, 400 PSI UNDER PLUG), (NO PLUG ON STAGE 3 @5000'), RIH & D/O F/T PLUG #1 7' 0" OUT ON JNT 172 @5670' (13 MINS TO DRILL PLUG, NO FILL), RIH TO 14' IN ON JNT 183 & D/O F/T PLUG #2 @6020' (12 MINS TO DRILL, NO FILL).
Start Time	17:00	End Time	18:00	Comment	CIRCULATE 150 BBLs UNTIL WELLBORE WAS CLEAN, R/D SWIVEL, L/D 2-JNTS TBG, SIW, LOCK RAMS, TARP WELLHEAD & TIW, WINTERIZE PUMP & HARDLINE, GHFN.
Start Time	18:00	End Time	19:00	Comment	Crew travel
Start Time	19:00	End Time	00:00	Comment	SDFN
Report Start Date	1/15/2015	Report End Date	1/16/2015	24hr Activity Summary Clean out to PBTD. Round trip tbg & PU rods	
Start Time	00:00	End Time	06:00	Comment	SDFN
Start Time	06:00	End Time	07:00	Comment	crew travel
Start Time	07:00	End Time	08:00	Comment	REMOVE TARPS & HEATER HOSES, CHECK PRESSURES, TBG 500 PSI, CSNG 500 PSI, PUT PUMP & HARDLINE BACK TOGETHER UNLOCK RAMS & BLEED DWN CSNG UNTIL TBG DIED.
Start Time	08:00	End Time	10:00	Comment	P/U & RIH & TAG FILL ON JNT 195 @6464', R/U SWIVEL & CLEAN OUT FILL TO 10' IN ON JNT 203 AND TAG CEMENT @6675' CLEAN OUT CEMENT TO 10' OUT ON JNT 204 @6720' (211' OF SAND, 45' OF CEMENT)
Start Time	10:00	End Time	11:00	Comment	CIRCULATE 150 BBLs 1 % KCL UNTIL WELLBORE WAS CLEAN.
Start Time	11:00	End Time	12:30	Comment	R/D SWIVEL, L/D 5-JNTS 2 7/8" J-55 TBG (11 TOTAL ON RACKS), TOOH W/ 199-JNTS 2 7/8" J-55 TBG, L/D BIT SUB & BIT.
Start Time	12:30	End Time	14:00	Comment	M/U & RIH W/ PURGE VALVE (.87"), 2-JNTS 2 7/8" J-55 TBG (65.93'), #2 DESANDER (17.12'), 2 7/8" X4' J-55 TBG SUB (4.10'), 1-JNT 2 7/8" J-55 TBG (32.92'), PSN (1.10') @6474.65', 1-JNT 2 7/8" J-55 TBG (32.96'), TAC (2.80') @6438.89', 195-JNTS 2 7/8" J-55 TBG (6424.86'), M/U 4' SUB, HNGR (.90'), 1-JNT TO SET TAC, SET TAC FROM RIG FLOOR FOR 18K TENSION. STRETCH (2.13', 25.53"), LAND HNGR.
Start Time	14:00	End Time	15:00	Comment	R/D WORKFLOOR, N/D BOP'S, UNLAND HNGR & REMOVE 4' SUB, LAND HNGR EOT @6596.69', N/U WELLHEAD & FLOWLINE.

Summary Rig Activity

Well Name: GMBU N-21-8-17

Start Time	15:00	End Time	15:30	Comment
				X-OVER FOR RODS, S/I ROD TRAILER, LOAD BLIND RAM ON TRAILER & WRAP HOSES, N/U BOP'S ON M-21-8-17.
Start Time	15:30	End Time	18:30	Comment
				P/U & STROKE NEW WEATHERFORD PUMP #4366 2.5-1.75- 20-20-20 RHAC, RIH W/ PUMP, 30-7/8" 8 PER GUIDED RODS, 68-3/4" 4 PER GUIDED RODS, 73-3/4" 8 PER GUIDED RODS, 46-7/8" 4 PER GUIDED RODS, P/U POLISH
Start Time	18:30	End Time	19:30	Comment
				ROD, SIW, TARP WELLHEAD & RUN HEATER HOSES, WINTERIZE PUMP & HARDLINE,
Start Time	19:30	End Time	00:00	Comment
				SDFN
Report Start Date	Report End Date	24hr Activity Summary		
1/16/2015	1/17/2015	Continue PU rods, RU pumping unit. RDMOSU		
Start Time	00:00	End Time	06:00	Comment
				SDFN
Start Time	06:00	End Time	07:00	Comment
				Crew travel
Start Time	07:00	End Time	07:30	Comment
				Check pressure on well, 300 psi tbg & csg
Start Time	07:30	End Time	08:30	Comment
				L/D POLISH ROD - CONT. IN HOLE W/ ROD PRODUCTION - (30) 7/8" 8 PER GUIDED, (68) 3/4" 4 PER GUIDED, (73) 3/4" 8 PER GUIDED, (86) 7/8" 4 PER GUIDED, (1) 4' x 7/8" PONY, (1) 2' x 7/8" PONY, (1) 1 1/2" x 30' POLISH ROD
Start Time	08:30	End Time	09:00	Comment
				FILL TBG W/ 1 BBL - STROKE TEST PUMP TO 800 PSI -
Start Time	09:00	End Time	09:30	Comment
				GOOD TEST - R/U HORSE HEAD -
				Rig down